FOR OFFICIAL USE.

M.O. No. 229g.

AIR MINISTRY

METEOROLOGICAL OFFICE

BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1917

PART V

RÉSEAU MONDIAL, 1917

MONTHLY AND ANNUAL SUMMARIES OF PRESSURE, TEMPERATURE, AND PRECIPITATION AT LAND STATIONS,

GENERALLY TWO FOR EACH TEN-DEGREE SQUARE OF LATITUDE AND LONGITUDE

Published by the Authority of the Meteorological Committee.

LONDON:
PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE
To be purchased directly from H.M. STATIONERY OFFICE at the following addresses:
Adastral House, Kingsway, London, W.C.2, and 28, Abingdon Street, London, S.W.1;
York Street, Manchester; 1, St. Andrew's Crescent, Cardiff;
or 120, George Street, Edinburgh;
or through any Bookseller.

1925

Price £1 2s. 6d. Net

RÉSEAU MONDIAL, 1917.

PREFACE.

The publication of the Réseau Mondial commenced in 1917 with the volume containing the data for the year 1911. Subsequently the volumes for 1912, 1913, 1910, 1914, 1915 and 1916 were issued, in that order. An account of the history of the enterprise is given in the preface to the volume for 1914. Since the appearance of that volume, a meeting of the Commission appointed by the International Meteorological Committee to foster the enterprise has taken place, in connexion with the meeting of the Committee held in London in September 1921. The Commission approved the general form in which the results for the years 1910 to 1914 have been published, and adopted a resolution, subsequently endorsed by the Committee, requesting that the publication of similar data for ensuing years might be continued. The present volume, which forms the eighth of the series, and deals with the observations of the year 1917, is issued in response to that appeal. It should be mentioned, however, that all the information refers to land stations; it has not yet been practicable to give effect to the wishes of the Commission for the inclusion of data from the sea.

A list of the additions or changes made in the network of stations since the issue of the preceding volume is given below. These changes have been made after consultation with the Directors of the National Meteorological Services concerned.

Additions :—

Zone 1, 80° to 70° N.	..	105, Barrow.
Zone 2, 70° to 60° N.	..	202, Gambel.
Zone 3, 60° to 50° N.	..	301, Atka.
		302, St. Paul Island.
		371, Attu Island.
Zone 6, 30° to 20° N.	..	614, La Paz.
		616*a*, Monterry.
		619, Merida (Yucatan).

The following substitutions have also been made :—

Substitutions :—

Zone 3, 60° to 50° N.	..	303, Dutch Harbor (Radio) for Dutch Harbor.
		306, Kodiak (Radio) for Kodiak (Experiment Station).
Zone 6, 30° to 20° N.	..	615, Chihuahua for Zacatecas.
		637, Insalah, temporarily closed during 1915 and 1916, replaces Timimoun.
Zone 7, 20° to 10° N.	..	715, Colima for Zapotlanejo.
		717, Mexico (Tacubaya) for Mexico (Obs. Cent.).
Zone 12, 30° to 40° S.	..	1226*a*, Porto Alegre for Rio Grande.

The stations shown below have been closed and have consequently been deleted :—

Deletions :—

Zone 6, 30° to 20° N.	..	636, Colomb Béchar.
Zone 7, 20° to 10° N.	..	723*a*, St. Croix (Christiansted).

Owing to causes arising from the war, data for stations shown in the following list are missing :—

Missing :—

Zone 2, 70° to 60° N.	..	261, Olekminsk.
		264, Oust-Maïskoe.
		272, Novo-Mariinskii Post.
Zone 4, 50° to 40° N.	..	441, Monastir.
Zone 7, 20° to 10° N.	..	735, Ségou.
Zone 10, 10° to 20° S.	..	1046, Sainte Marie.
Zone 11, 20° to 30° S.	..	1127, Curitybá.

The total number of stations utilized was 458, as against 440 in 1916.

INTRODUCTION TO THE TABLES OF THE RÉSEAU MONDIAL, FOR THE YEAR 1917.

Subdivision of the Globe and numbering of Stations.—In order to facilitate the grouping of the information, the surface of the globe is divided into zones each covering ten degrees of latitude. These zones are numbered consecutively from North to South, the number 1 being assigned to the zone extending from latitude 80° N. to latitude 70° N., the northernmost one for which information is available. The corresponding zone in the Southern hemisphere, that extending from latitude 70° S. to latitude 80° S., accordingly becomes zone No. 16.

An identification number is assigned to each station. The first one or two digits in this number specify the zone to which the station belongs, and the last two digits indicate its position in longitude. For the latter purpose the zones are subdivided into 36 " squares," each extending over ten degrees of longitude, and two station numbers are assigned to each square. The enumeration of the stations starts from longitude 180° West of the meridian of Greenwich and proceeds eastward. A few examples will make the system clear. Station numbers 101 and 102 refer to the stations in zone 1 (i.e. between latitude 70° N. and 80° N.) between longitudes 170° W. and 180° W. ; station numbers 335 and 336 to the stations in zone 3 (50° N. to 60° N.) between longitude 10° W. and 0° ; station numbers 1147 and 1148 to the stations in zone 11 (latitude 20° S. to 30° S.) between longitude 50° E. and 60° E., i.e., to the Indian Ocean. In cases where it has been found desirable to give data for more than two stations in one " square " the additional stations are distinguished by adding the letter " *a* " to the numbers appropriate to the square. For zone 6 between longitude 90° W. and 100° W. it was considered desirable to give data for the two Indian stations Cherrapunji and Gauhati, representing conditions at high and low levels, the mountain station Cherrapunji being indicated by the addition of the letter " *m* " to the number appropriate to Gauhati.

In the monthly tables the data are arranged by zones, and within each zone, in the order of the identification numbers of the stations.

Units.—Absolute units related to the metric system are employed throughout. Conversion tables showing the relation of these units to the units more commonly in use, will be found on pp. xvi to xviii of the Réseau Mondial (Tables) for 1914.

Authorities.—The data have been transcribed in most cases from the publications of the various meteorological institutes received in the Library of the Meteorological Office. Particulars of the sources from which they have been taken will be found in the *Table showing the Authorities for the Meteorology of the Globe*, printed at the end of the volume. In some cases the volumes for 1917 have not yet been issued

and the data have therefore been taken from advance manuscript copies supplied by the courtesy of the Directors concerned, whose valued co-operation is hereby acknowledged. The data for some stations in the British Colonies have been transcribed from manuscript returns received in the Meteorological Office, and have not yet been published elsewhere. The majority of the stations for which information is given are under the control of government meteorological services ; it is therefore assumed that the recognised conventions regarding the instruments and their exposure have been followed. In the case of other stations information on these points is sometimes lacking, but no observations have been included that are known to be faulty in this respect. The positions of stations, their heights above sea-level and the spelling of names, have been taken from the official meteorological publications, if given, but in some cases it has been necessary to complete this information from other sources.

Height above Sea Level.—Particulars of the datum used in the European countries when specifying heights above sea level will be found in the Introduction to the volume of Tables for 1914.

Normals.—Wherever possible the departures from normal of the monthly values of mean pressure, mean temperature and precipitation, are given. It has not been possible to employ homogeneous series throughout. In all cases an endeavour is made to secure that the normals are based on the same combination of values as the current data, or a comparable one. The years to which the normals refer are given in the *Table showing the Authorities for the Meteorology of the Globe* at the end of the volume.

Pressure.—The tables provide space for the entries of mean monthly pressure both at station level and at mean sea level. If the value at sea level is not given in the publication or manuscript from which the data have been transcribed, it has been computed in the Meteorological Office for all stations not exceeding 1,000 metres in altitude, for which the height above sea level was accurately known. The reduction is based on the *International Meteorological Tables*, allowance being made for the change of temperature with height. The reduction has not been made for stations at higher levels. The monthly means of pressure are based by preference on hourly values, but when such are not available, combinations of observations at other hours have been used. Particulars of the combination adopted at each station are given in the *Table showing the Authorities for the Meteorology of the Globe* under the heading " Remarks." Table I (p. vii) gives for certain stations the correction required to reduce the means computed in this way to the means computed from hourly observations. In cases in which it is possible to give values both for station level and for sea level, the differences from normal refer to the latter, except at the stations of the Indian Meteorological Service for which the differences from normal are transcribed from the *India Weather Review*, and refer to station level.

Temperature.—The monthly tables include the means of the daily readings of maximum and minimum thermometers, the highest reading of the maximum and the lowest reading of the minimum thermometer, the mean temperature obtained from the mean maximum and mean minimum, and a column giving the observed or deduced mean of 24 hourly values per day.

The temperature column headed " Mean " in 1916 has been replaced by one headed " Mean of A and B," and all the figures in this column are the half sums of the mean daily maximum and mean daily minimum temperatures. The column headed " 24 hr. mean " contains : in Roman type, means based on at least six equally spaced observations each day : in *italic* type, either (a) means based on observations at one or more fixed hours, with or without an appropriate correction : or (b) means obtained by applying an appropriate correction to the mean of the mean daily maximum and mean daily minimum. The methods by which these figures in italics have been deduced are in all cases set out in the *Table showing the Authorities for the Meteorology of the Globe* under the column headed " Remarks " pp. 105–114.

Precipitation.—The term precipitation includes rain, snow, hail and (if of measurable amount) dew. The solid precipitates are measured by the depth of water they yield or are computed to yield when melted.

Wind.—No information regarding wind is included in the general tables, but at the end of each monthly section daily observations of wind are given for selected stations in the tropics. At the foot of these tables the Resultant Direction and the "Constancy" are given. No account is taken of wind *strength* in computing these quantities; each observation of direction is regarded as a unit vector and the *resultant direction* is obtained by compounding the unit vectors. The "*constancy*" is represented by 100 times the ratio of the vector sum of the unit vectors to the number of observations (calms included). Direction is specified by the azimuth of the point *from* which the wind is blowing, and is measured in degrees from north through east.

State of Ice in the Arctic Seas.—The statistical information given for each month is supplemented by notes on the state of the ice in the Arctic Seas and in the North Atlantic Ocean.

Bibliography of the Meteorology of the Globe.—A bibliography will be found on page xv of the Réseau Mondial (Tables) 1914.

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 1.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Gaasefiord for Inglefield Bay, ½ (8+14+21) (1)	0·0	0·0	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Gaasefiord and Godthaab for Upernivik, ½ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Malye Karmakouly, ½ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Waigatz, ½ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Zone 2.													
Sitka for Nome, ½ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Tanana *and* Valdez, ½ (7+19) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Eagle, ½ (8+19) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Godthaab, *and for* Jacobshavn, ½ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Godthaab for Ivigtut, ½ (8+14+20) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Angmagsalik, ½ (8+14+21) (1) ..	+0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1
Helsingfors, *and for* Kuopio, ½ (7+14+21) (8)	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kola, ½ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Petrozavodsk, ½ (7+13+21) (1) ..	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Arkhangelsk, ½ (7+13+21) (1) ..	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Mezen, ½ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Oust-Tsylma, ½ (7+13+21) (1) ..	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Tcherdyn, ½ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Berezov, ½ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Obdorsk, ½ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Sourgout, ½ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Doudinka, ½ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Touroukhansk, ½ (7+13+21) (1) ..	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Iakoutsk, ½ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Verkhoïansk, ½ (7+13+21) (1) ..	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0
Zone 3.													
Sitka for St. Paul Is. *and* Dutch Harbor, ½ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Kodiak, ½ (7+19) (8) ..	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka, 20 h. (8)	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Sitka and Victoria for Prince Rupert, ½ (5+17) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria for Kamloops, ½ (4½+16½) (1)	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria and Moose Jaw for Calgary, ½ (5½+17½) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·1	+0·2
Fort Confidence and Moose Jaw for Fort Chipewyan, ½ (8+18) (1) ..	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0
Moose Jaw for Prince Albert *and* Qu'Appelle, ½ (6+18) (1)	+0·3	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·2	+0·3	+0·3	+0·3	+0·2
Moose Jaw and Winnipeg for Minnedosa, ½ (7+19) (1)	+0·2	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Fort Churchill for Port Nelson, ½ (7¾+18½) (1)	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	−0·1	−0·2	−0·2	0·0
Le Pas and Fredericton for Fort Hope, ½ (7+19) (1)	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Le Pas and Fredericton for Moose Factory, ½ (9+14+19) (1)	+0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0
Hamburg and Upsala for Copenhagen, ½ (8+14+21) (2)	+0·1	−0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	+0·1
Warsaw, ½ (7+13+21) (11)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Petrograd, ½ (7+13+21) (2)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kiev, ½ (7+13+21) (1)	+0·1	+0·3	0·0	−0·1	−0·4	−0·4	−0·3	−0·3	−0·1	−0·2	+0·1	+0·1	−0·1
Moscow, ½ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Saratov, ½ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Kazan, ½ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0
Orenburg, ½ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Perm, ½ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Ekaterinburg, ½ (7+13+21) (1) ..	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0	0·0	+0·1	0·0
Tobolsk, ½ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Akmolinsk, ½ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Omsk, ½ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Barnaoul, ½ (7+13+21) (2)	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 3—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Tomsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Minousinsk, ⅓ (7+13+21) (1).. ..	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Eniseisk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Irkutsk, ⅓ (7+13+21) (2)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	+0·1	−0·1
Kirensk, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	−0·1
Tchita, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	−0·1
Blagoveshchensk Priisk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Nertchinsk for Nertchinskii Zavod, ⅓ (7+13+21) (2)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Tygan Ourkan, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Blagoveshchensk, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Paikanskii Sklad, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Nikolaevsk sur Amour, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1
Okhotsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0.0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Sitka for Attu, 8 h. (8)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Zone 4.													
Winnipeg for Port Arthur, ⅓ (7+14+19) (1)	0·0	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1	0·0	0·0	0·0	0·0
New York, ⅓ (7+14+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
St. John, N.B., ½ (9+15+21) (1) ..	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1
Nice for Marseilles, ⅙ (7+10+12+16+18+22) (16)	0·0	−0·1	−0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Rome, ⅓ (9+15+21) (3)	−0·3	−0·3	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·3	−0·3	−0·2	−0·2
O-Gyalla for Buda-Pesth, ⅓ (7+14+21) (1)	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0
Bucharest, ⅓ (8+14+20) (13) ..	+0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Odessa, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Kharkov, ⅓ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1
Novorossiisk, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	0·0	0·0	0·0	−0·1
Tiflis, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·1	0·0	0·0	+0·1	−0·1
Astrakhan, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	0·0	0·0	0·0	−0·1
Fort Alexandrovsk, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·1	−0·1	0·0	0·0	−0·1
Krasnovodsk, ⅓ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	0·0	−0·1
Aralskoe More, ⅓ (7+13+21) (1) ..	+0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Tachkent, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·3	−0·2	−0·1	0·0	0·0	−0·1
Narynskoe, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Vernyi, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Vladivostok, ⅓ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	0·0	−0·1
Zone 5.													
Madeira (Funchal), ⅓ (9+15+21) (1)	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·1	−0·1	−0·1
Lisbon, ⅓ (9+15+21) (4)	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	−0·2	−0·1	−0·2	−0·2	−0·2	−0·1	−0·2
Lisbon for Gibraltar, ⅓ (7+13+21) (4)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·3	−0·3	−0·2	−0·1	−0·1	0·0	−0·1
Bouzaréah for Melilla, ½ (8+16) (1) ..	+0·2	+0·2	+0·2	+0·1	+0·1	0·0	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0
Palma, ½ (8+16) (1)	−0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	−0·1	0·0	+0·1	0·0
Metlaoui for Tunis, ⅓ (7+13+19) (1) ..	0·0	+0·1	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	0·0	0·0	−0·1	0·0	+0·1
Malta, 8 h. (1)	−0·6	−0·7	−0·7	−0·7	−0·8	−0·8	−0·9	−0·8	−0·8	−0·8	−0·7	−0·6	−0·7
Naples for Riposto, ½ (9+15+21) (2)	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Alexandria, ⅓ (8+14+20) (18) ..	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0
Athens and Cairo for Nicosia, ½ (8+15) (1)	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2
Baghdad, 8 h. (17)	−0·4	−0·6	−0·7	−0·7	−0·8	−0·9	−1·1	−1·2	−1·1	−1·0	−0·8	−0·5	−0·8
Lenkoran, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	+0·1	−0·1
Quetta, 8 h. (6)	−0·9	−0·9	−1·1	−1·2	−1·2	−1·4	−1·3	−1·2	−1·4	−1·5	−1·4	−1·1	−1·2
Peshawar, 8 h. (6)	−0·9	−1·1	−1·2	−1·4	−1·8	−2·1	−2·0	−1·9	−1·8	−1·8	−1·5	−1·0	−1·6
Lahore, 8 h. (6)	−0·7	−0·6	−1·0	−1·2	−1·3	−1·6	−1·3	−1·5	−1·4	−1·4	−1·0	−0·9	−1·1
Simla, 8 h. (6)	−0·2	−0·2	−0·2	−0·4	−0·6	−0·5	−0·5	−0·4	−0·5	−0·5	−0·6	−0·4	−0·4
Leh, 8 h. (6)	−1·0	−0·9	−1·4	−1·3	−1·3	−1·6	−1·8	−1·7	−1·9	−1·7	−1·5	−1·2	−1·5
Zi-Ka-Wei for Hankow, ⅓ (6+14+22) (7)	+0·3	+0·2	+0·2	+0·1	0·0	0·0	−0·1	0·0	0·0	+0·2	+0·2	+0·3	+0·1
Pekin for Tientsin, ⅓ (6+14+22) (8) ..	+0·3	+0·3	+0·1	0·0	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·1
Zone 6.													
Mexico for La Paz, Leon *and* Monterry, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Nassau, Bahamas, ½ (8+15) (1) ..	+0·1	+0·1	0·0	+0·1	0·0	+0·1	+0·2	+0·2	+0·1	+0·2	+0·1	+0·1	+0·1
Izana, ⅓ (7+14+21) (19)	0·0	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	−0·1	0·0	0·0	−0·1
Khartoum and Cairo for Aswan, ⅓ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 6—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Cairo and Aswan for Tor, ⅓ (8+14+20) (18)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0
Bushire, 8 h. (6)	−0·8	−0·8	−0·9	−0·7	−0·8	−0·6	−0·5	−0·5	−0·7	−0·9	−1·0	−0·9	−0·7
Jask, 8 h. (6)	−1·2	−1·1	−1·1	−1·0	−1·0	−0·8	−0·6	−0·8	−1·0	−1·1	−1·3	−1·2	−1·0
Karachi, 8 h. (6)	−1·5	−1·5	−1·4	−1·3	−1·3	−0·9	−0·8	−1·0	−1·2	−1·4	−1·5	−1·5	−1·3
Hyderabad, Sind, 8 h. (6)	−1·3	−1·3	−1·5	−1·4	−1·5	−1·3	−1·1	−1·0	−1·2	−1·4	−1·4	−1·3	−1·3
Jacobabad, 8 h. (6)	−1·1	−1·3	−1·7	−1·7	−1·8	−1·7	−1·5	−1·4	−1·5	−1·4	−1·4	−1·2	−1·5
Jaipur, 8 h. (6)	−1·1	−1·2	−1·5	−1·6	−1·8	−1·6	−1·2	−1·2	−1·4	−1·6	−1·3	−1·3	−1·4
Nagpur, 8 h. (6)	−1·7	−1·9	−2·1	−2·3	−2·2	−1·4	−1·2	−1·2	−1·5	−1·7	−1·8	−1·7	−1·7
Allahabad, 8 h. (6)	−1·5	−1·6	−1·9	−2·0	−1·9	−1·7	−1·2	−1·2	−1·6	−1·7	−1·7	−1·6	−1·6
Darjiling, 8 h. (6)	−0·3	−0·3	−0·6	−0·8	−0·9	−0·8	−0·6	−0·6	−0·8	−0·8	−0·7	−0·5	−0·6
Calcutta, 8 h. (6)	−1·6	−1·6	−1·7	−1·8	−1·5	−1·1	−0·9	−1·0	−1·2	−1·6	−1·7	−1·7	−1·5
Dinajpur and Sibsagar for Gauhati, 8 h. (6)	−1·7	−1·6	−1·9	−2·0	−1·8	−1·4	−1·4	−1·5	−1·6	−1·8	−1·9	−1·8	−1·7
Akyab, 8 h. (6)	−1·5	−1·5	−1·6	−1·7	−1·1	−0·8	−0·8	−0·9	−1·2	−1·4	−1·3	−1·5	−1·3
Mandalay, 8 h. (6)	−1·7	−1·8	−2·1	−2·1	−1·7	−1·4	−1·3	−1·3	−1·6	−1·8	−1·8	−1·8	−1·7
Phu Lien for Moncay, ½ (10+16) (9) ..	−0·3	−0·2	−0·2	−0·1	+0·1	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	−0·1	0·0
Hongkong for Amoy, 9 h. (13)	−1·8	−1·7	−1·6	−1·5	−1·3	−1·0	−0·9	−0·8	−1·2	−1·6	−1·7	−1·8	−1·4
Taihoku and Manila for Santo Domingo, ½ (6+14) (13)..	+0·7	+0·6	+0·5	+0·5	+0·4	+0·4	+0·4	+0·5	+0·6	+0·6	+0·6	+0·7	+0·5
Zone 7.													
Mexico for Colima, Morelia, Oaxaca *and* Salina Cruz, ⅓ (7+14+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
St. Kitts for Montserrat, ½ (9+15) (13)	−0·3	−0·3	−0·2	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·1
Barbados, ½ (9+15) (13)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	0·0	−0·2	−0·3	−0·1	−0·1	−0·2	0·0
Duala for Kaduna, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7
Khartoum *and for* El Obeid, ⅓ (8+14+20) (18)	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1
Khartoum and Cairo for Port Sudan, ⅓ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Aden, 8 h. (6)	−1·6	−1·7	−1·7	−1·5	−1·6	−2·0	−2·1	−2·2	−1·9	−1·4	−1·7	−1·3	−1·8
Bombay, 8 h. (6)	−2·0	−1·9	−2·0	−2·0	−1·8	−1·1	−1·0	−1·2	−1·6	−2·0	−2·2	−2·1	−1·8
Cochin, 8 h. (6)	−1·9	−1·8	−1·8	−1·6	−1·2	−0·7	−0·7	−0·9	−1·2	−1·4	−1·6	−1·8	−1·4
Bangalore, 8 h. (6)	−1·7	−1·7	−1·9	−2·1	−1·8	−1·2	−1·0	−1·3	−1·5	−1·7	−1·6	−1·7	−1·6
Madras, 8 h. (6)	−1·5	−1·5	−1·7	−1·7	−1·6	−1·6	−1·5	−1·6	−1·8	−1·7	−1·5	−1·5	−1·6
Waltair, 8 h. (6)	−1·7	−1·6	−1·8	−1·8	−1·7	−1·2	−1·1	−1·2	−1·3	−1·6	−1·6	−1·7	−1·5
Port Blair, 8 h. (6)	−1·3	−1·2	−1·2	−1·3	−1·1	−0·9	−0·8	−0·9	−1·1	−1·2	−1·2	−1·3	−1·1
Rangoon, 8 h. (6)	−1·7	−1·9	−2·1	−2·2	−1·6	−1·0	−1·0	−1·0	−1·3	−1·8	−1·5	−1·8	−1·6
Bolinao, ½ (6+14) (1)	+0·5	+0·5	+0·5	+0·5	+0·5	+0·5	+0·4	+0·5	+0·6	+0·6	+0·6	+0·6	+0·5
Zone 8.													
Duala for Lagos, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7
Entebbe, ⅓ (7+14+21) (1)	+0·1	0·0	−0·2	−0·2	−0·2	0·0	+0·1	+0·2	+0·1	−0·2	−0·3	−0·1	−0·1
Colombo, ½ (9½+15½) (6)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Trincomalee, ½ (9½+15½) (6)	−0·1	−0·1	0·0	+0·2	+0·3	+0·3	+0·4	+0·3	+0·3	+0·2	+0·1	0·0	+0·2
Singapore, *and for* Penang, ⅓ (9+15+21) (2)	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·3	−0·2	−0·3	−0·2
Manila for Iwahig, ½ (6+14) (13) ..	+0·7	+0·6	+0·6	+0·6	+0·6	+0·5	+0·5	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6
Zone 9.													
Malden Island, 9 h. (1)	−1·4	−1·4	−1·6	−1·6	−1·6	−1·2	−1·5	−1·5	−1·6	−1·6	−1·4	−1·3	−1·5
Quixeramobim, *and for* Turyassu and Barra do Corda, ⅓ (7+14+21) (1)..	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Zanzibar, 8 h. (6)	−2·1	−2·1	−1·6	−1·3	−1·1	−1·1	−1·1	−1·1	−1·3	−1·6	−1·5	−1·6	−1·5
Ocean Island, ½ (9+21) (1)	−1·4	−1·2	−1·4	−1·4	−1·4	−1·0	−1·2	−1·2	−1·3	−1·3	−1·3	−1·2	−1·3
Zone 10.													
Rikitea and Apia for Makatea, ⅓ (6+12+18) (1)	+0·1	+0·1	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·2	+0·1	+0·2	+0·1	+0·1
Arequipa, ½ (10+22) (14)	−0·6	−0·7	−0·7	−0·6	−0·7	−0·6	−0·7	−0·7	−0·7	−0·7	−0·6	−0·6	−0·7
St. Helena, 9 h. (1)	−1·2	−1·2	−1·3	−1·3	−1·3	−1·1	−1·1	−1·1	−1·0	−1·1	−1·2	−1·2	−1·2
Kimberley and Zomba for Gwelo, 8 h. (1)	−1·6	−1·6	−1·5	−1·4	−1·3	−1·3	−1·3	−1·4	−1·5	−1·6	−1·7	−1·7	−1·5
Kimberley and Zomba for Salisbury, 9 h. (1)	−1·4	−1·5	−1·4	−1·4	−1·4	−1·3	−1·3	−1·4	−1·5	−1·5	−1·5	−1·4	−1·4
Zomba, ½ (9+21) (1)	−0·8	−0·8	−0·8	−0·9	−0·9	−0·9	−0·9	−1·0	−1·0	−0·9	−0·9	−0·9	−0·9
Tananarivo, ⅓ (7+13+18) (1) ..	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Derby, ½ (9+15) (1)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Halls Creek, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·3
Port Darwin, ½ (9+15) (1)	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 10—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Daly Waters, ½ (9+15) (1)	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3
Mein, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1
Georgetown, Queensland, ½ (9+15) (1)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Apia for Suva, Fiji, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·4	−1·5	−1·4	−1·3	−1·2	−1·4
Zone 11.													
Santiago for Punta Tortuga, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Mollendo for Iquique, ⅓ (7+14+21) (14)	−0·1	−0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·2	−0·1	0·0
Kimberley, ⅓ (8+14+20) (15) ..	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0	0·0
Johannesburg, *and for* Pretoria, 8½ h. (13)	−1·0	−1·1	−1·1	−1·1	−1·0	−1·0	−1·1	−1·3	−1·3	−1·2	−1·1	−1·1	−1·1
Onslow, ½ (9+15) (1)	−0·2	−0·2	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1
Peak Hill, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·1	+0·1	+0·2
Nullagine, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	0·0	+0·1
Laverton, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3
Alice Springs, ½ (9+15) (1)	+0·6	+0·5	+0·7	+0·7	+0·8	+0·9	+0·9	+1·0	+1·0	+0·9	+0·9	+0·8	+0·8
William Creek, ½ (9+15) (1)	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3
Boulia, ½ (9+15) (1)	+0·4	+0·4	+0·5	+0·5	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6	+0·5	+0·6
Mitchell for Thargomindah, ½ (9+15) (1)	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·4	+0·4	+0·5	+0·5	+0·3	+0·2	+0·3
Rockhampton ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Zone 12.													
Valdivia for Punta Tumbes, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1
Santiago, *and for* Valparaiso, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Cape Town, ⅓ (8½+12½+20½) (2) ..	−0·4	−0·4	−0·3	−0·3	−0·2	−0·2	−0·2	−0·3	−0·3	−0·3	−0·3	−0·3	−0·3
Cape Town for East London, 8½ h. (2)	−0·5	−0·6	−0·7	−0·7	−0·7	−0·7	−0·7	−0·8	−0·8	−0·7	−0·6	−0·5	−0·7
Breaksea Island for Katanning, ½ (9+15) (1)	0·0	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·2	0·0	+0·1	+0·1	0·0	+0·1
Coolgardie, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Eucla, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·2
Streaky Bay, ½ (9+15) (1)	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1
Bourke, ½ (9+15) (1)	+0·1	+0·2	+0·2	+0·3	+0·4	+0·4	+0·5	+0·5	+0·5	+0·5	+0·4	+0·2	+0·3
Zone 13.													
Santiago, Punta Arenas for Isla Huafo *and* Punta Galera ⅓ (7+14+21) (1)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·3	−0·1
Hobart *for* Launceston, ½ (9+15) (1) ..	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2
Zone 14.													
Punta Arenas, *and for* Islota de los Evangelistas and Punta Dungeness, ⅓ (7+14+21) (1)	−0·1	−0·1	−0·1	0·0	+0·1	+0·1	+0·2	+0·1	0·0	0·0	0·0	−0·1	0·0
South Georgia, ⅓ (8+14+20) (1) ..	0·0	+0·1	0·0	−0·1	−0·1	+0·2	+0·2	+0·2	+0·1	0·0	0·0	+0·1	+0·1

(1) Prepared in M.O.
(2) Buchan, A., *Report on . . . Voyage of H.M.S. "Challenger,"* 1873–76. *Physics and Chemistry*, vol. ii, part v. *Report on Atmospheric Circulation.* London, 1889.
(3) Eredia, F., *Il clima di Roma*, 1911.
(4) Lima, A., *O clima de Portugal Continental*, 1922.
(5) Cairo, Survey Department, *Meteorological Report*, 1911, part ii. p. xvi.
(6) *Indian Meteorological Memoirs*, vol. xvii.
(7) Zi-Ka-Wei, *Bulletin des Observations*, 1910.
(8) Rykatchew, M., *La marche diurne du baromètre en Russie*, 1879.
(9) Le Cadet, G., *Le climat du Delta du Tonkin*, 1911.
(10) Tetens, O., u. Linke, F., *Das Klima von Samoa*, 1910.
(11) Gorczynski, Wl., *Pression atmosphérique en Pologne et en Europe*, 1917.
(12) Hann, J. von, *Die Anomalien der Witterung auf Island . . . .*, 1904.
(13) Hann, J. von, *Die ganztägige (24-stündige) Luftdruckschwankung . . . .*, 1919.
(14) Cambridge, Mass., Astr. Obs. Harvard College, *Annals*, vol. 49, parts i. & ii.
(15) Sutton, J. R., *Diurnal Variation of Barometric Pressure*, 1907.
(16) Angot, A., *Etude sur le climat de la France. Pression atmosphérique.* Paris, Ann. bur. centr. météor., *Annales*, 1906, t.I, p. 83.
(17) Eredia, F., *Sul clima di Bagdad.* Rome, 1917.
(18) *Corrections supplied by* Cairo, Phys. Dept.
(19) Madrid, *Anuario de Obs.*, Tomo III, Suppl. 3, p. 4.

1914–1917.

905. Malden Island. Temperature differences from normal (24 yrs., 1890–1918) should read :—

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1914 ..	−0·5	−0·3	−0·9	+0·5	−0·1	+0·6	+1·4	+1·9	+1·7	+0·4	+1·5	+1·9	+0·7
1915 ..	+0·2	+0·5	−0·7	+0·6	+1·8	+0·6	+0·6	+0·2	+0·2	+0·3	−0·1	0·0	+0·7
1916 ..	−0·4	−0·2	−0·4	−0·9	..	−0·3	−0·6	−0·5	−1·0	−1·1	−1·3	−1·8	..
1917 ..	−2·1	−1·6	−1·5	−1·4	..	..	..	..	..	..	..	..	..

1915–1916.

719. San Salvador. Temperature, Mean Max. (A), Mean Min. (B), and Mean [½ (A and B)] should read :—

		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1915	A	308·5	308·0	309·2	308·7	307·6	308·0	306·7	306·9	305·5	305·6	305·9	306·7	307·3
	B	288·5	288·2	289·7	290·4	292·5	292·0	291·6	291·5	291·2	291·4	289·7	288·8	290·5
	½(A and B)	298·5	298·1	299·5	299·5	300·1	300·0	299·1	299·2	298·3	298·5	297·8	297·7	298·9
1916	A	308·5	307·9	308·4	307·6	306·9	305·4	305·0	305·0	305·1	304·7	306·3	306·6	306·4
	B	287·8	286·8	288·6	289·8	291·7	291·0	291·1	291·3	291·3	289·9	289·4	287·7	289·7
	½(A and B)	298·1	297·3	298·5	298·7	299·3	298·2	298·1	298·1	298·2	297·3	297·9	297·1	298·1

1916.

123. Inglefield Bay. Temperature, Absolute Max. and Min. from fixed hours :—

Max. ..	260·1	261·1	270·6	..	..	..	282·0	282·8	280·1	276·3	271·6	271·3	282·8
Date ..	19th	22nd	15th	..	..	..	1st	18th	30th	1st	9th	15th	Aug.18
Min. ..	235·1	237·8	245·0	..	..	..	272·1	271·9	265·9	253·1	241·1	234·6	234·6
Date ..	2nd	5th	31st	..	..	..	19th	10th	23rd	23rd	27th	25th	Dec.25

940. Brazzaville. Pressure differences from normal (10 yrs., 1898 : 1906–1915) to be inserted :—

mb. ..	−2·7	−3·5	−3·7	−1·6	−3·6	−3·6	−3·3	−2·9	−2·7	−3·1	−3·0	−2·2	−3·1

1007. Makatea. Temperature differences from normal (12 yrs., 1892–1904) to be inserted :—

a. ..	+0·8	−0·1	+0·4	+0·5	+0·3	+0·5	+0·8	+0·7	−0·2	..	..	..	..

1916–1917.

1143. Durban. Pressure differences from normal (1884–1910) to be inserted :—

1916 ..	−0·2	−0·1	−0·2	−0·7	−0·6	−3·2	−1·9	−0·5	−1·3	−0·4	−0·4	−0·6	−0·8
1917 ..	0·0	+0·7	−1·0	−0·4	−1·7	−4·1	..	..	..	..	..	..	..

1917.

1025. Corumba. Pressure, Mean at M.S.L.

For ..	1007·8	..	1009·5	1010·9	1019·4	1019·4	1019·1	1019·6	..	..	..	..	..
Read ..	1008·0	..	1009·6	1011·0	1014·8	1014·7	1014·4	1015·1	..	..	..	..	..

1910–1917 :—

539. *Tunis.* Height should be 21 metres throughout.

1910–11 : A correction of −1·4 mb. should be applied to the pressure at M.S.L. and to the differences from normal.

1912–13 : A correction of −3·3 mb. should be applied to the pressure at M.S.L. and to the differences from norma (*see* Paris, Ann. Bur. Centr. Météor., 1912, p. B70, 1913, p. B74.).

1914 : No correction necessary. An adjustment of −4·2 mb. has already been applied.

1917 : No correction necessary. An adjustment of −3·3 mb. has already been applied.

1143. *Durban.* 1910, 1912 to June, 1917. Pressure : Means at level of station and at M.S.L. require a correction of +1·3 mb. The differences from normal (except 1916 and 1917) require similar correction.

1913 :—

652. *Nagpur.* Temperature : Mean of Max. and Min., and True mean, March, *for* 295·2 : 294·8 *read* 300·2 : 299·8.

1914 :—

1142. *Johannesburg* (published in Additions to 1915 volume). Pressure : January to May and Year. Delete means and differences from normal. June to December : A correction of +1·6 mb. should be applied to the means and to the differences from normal.

1915–1916 :—

928. *Barro do Corda.* Pressure : Differences from normal.

1915 Nov., *for* +2·0 *read* +0·3
1915 Dec., ,, +2·0 ,, +0·2
1915 Year, ,, −0·2 ,, −0·5
1916 Nov., *for* +0·5 *read* −1·2
1916 Dec., ,, +0·8 ,, −1·0
1916 Year, ,, −0·1 ,, −0·4

1916–1917 :—

1424. *Santa Cruz.* Latitude : *For* 52° 22′S *read* 50° 11′S.

1917 :—

461. *Mukden.* Longitude : February, April and June, *for* 123° 13′E *read* 123° 23′E.

616. *Leon.* Temperature : Differences from normal.

Jan., *for* +1·4 *read* +1·2
Feb., ,, +1·1 ,, +0·8
March, *for* +0·8 *read* +0·4
April, ,, −0·2 ,, −0·6

716. *Morelia.* Temperature : 24 hr. mean for Aug., *for* 290·3 *read 290·3.*

720. *Belize.* Temperature : 24 hr. mean column ; insert :—Feb. ‡*295·7*, Mar. ‡*297·7*.

857. *Penang.* Precipitation : Totals and differences from normal ; insert :—Jan. 143 : +46. Feb. 109 : +35.

924. *Manaos.* Height : Jan. to April, *for* 44·9 m. read 43·8 m. Pressure : All means and differences from normal should be deleted.

926. *Taperinha.* Precipitation : Feb., *for* 385 *read* 375.

929. *Quixeramobim.* Pressure : Feb., *for* 988·6 : 1012·3 : +0·7 *read* 988·2 : 1011·9 : +0·3.

930. *Fernando Noronha.* Height : Jan. to April, *for* 95·0 m. *read* 106 m. Pressure : Means at M.S.L. and differences from normal.

Jan., *for* 1010·4 : −0·3 *read* 1011·6 : −0·4
Feb., ,, 1010·4 : −0·6 ,, 1011·6 : −0·6
March, *for* 1010·6 : −0·1 *read* 1011·9 : −0·1
April, ,, 1010·2 : −0·1 ,, 1011·4 : −0·2

965. *Daru.* Temperature : Insert differences from normal, Jan. −0·4, April +0·7.

1025. *Corumba.* Height : May to Aug., *for* 155 m. *read* 116 m. Pressure : Differences from normal. Delete Jan., March and April. Mean at level of station and at M.S.L. : Insert Feb. 994·0 : 1007·4. Temperature : 24 hr. mean. Delete values Jan. to July. Precipitation : Totals and differences from normal.

Feb., *for* 322 : +164 *read* 327 : +169.
March, *for* 157 : +34 *read* 16 : −107.

1028. *Caetite.* Temperature : Mean min. B. and Mean of A and B, April, *for* 290·5 : 294·7 *read* 290·8 : 294·9.

1029. *Ondina.* Height : Jan. to April, *for* 47·0 m. *read* 46·6 m. Precipitation : Jan., *for* 49 : −32 *read* 48 : −33.

1123. *Catamarca.* Height : Jan. to April, *for* 510 m. *read* 529 m. Pressure : Differences from normal.

Jan., *for* −0·8 *read* −1·4
Feb., ,, +0·2 ,, +0·6
March, *for* +0·7 *read* +1·3
April, ,, +0·2 ,, 0·0

1124. *Salta.* Pressure : Means at level of Station and differences from normal.

Jan., *for* : −1·9 *read* : +0·8
Feb., ,, 886·6 : +4·1 ,, 882·3 : +1·0
March, *for* +0·2 *read* +1·4
April, ,, −1·2 ,, 0·0

Additions and Corrections, 1915–1916.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
1915—																		
	January.	° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm
1123	Catamarca	28 27	65 47	510	949·8	1006·5	+ 0·1	304·8	312·0	20th	293·8	287·3	3rd	299·3	−1·7	298·8	89	+ 16
1124	Salta	24 46	65 28	1178	880·6	..	− 0·7	301·4	308·3	23rd	290·1	286·4	25th	295·8	+0·8	295·7	182	+ 37
1125	Goya	29 9	59 15	26	1006·2	1009·2	+ 0·2	304·8	313·9	13th	293·8	288·1	16th	299·3	−0·4	298·4	295	+183
1126	Asuncion	25 21	57 37	95	‡1000·5	‡1011·4	+ 0·5	306·4	313·5	13th	294·9	290·8	29th	300·6	−0·5	299·4	185	+ 39
1224	Bahia Blanca	38 45	62 15	20	1006·8	1009·2	0·0	303·3	310·0	13th	288·4	278·5	24th	295·8	−1·4	294·9	100	+ 56
1225	Buenos Ayres	34 36	58 22	25	1009·4	1012·3	+ 0·6	301·1	306·5	13th	290·1	282·2	24th	295·6	−0·8	295·7	88	+ 8
1323	Sarmiento	45 30	69 0	274	977·1	1009·1	..	297·3	305·5	5th	282·1	273·0	23rd	289·7	−1·7	290·2	1	− 7
1324	Puerto Madryn	42 49	64 58	14	1007·4	1009·1	..	298·8	304·4	16th	286·3	279·6	2nd	292·6	−1·5	291·7	43	+ 33
	February.																	
1123	Catamarca	28 27	65 47	510	950·5	1007·3	− 0·7	305·8	312·6	22nd	294·7	290·0	3rd	300·2	+0·3	299·3	30	− 33
1124	Salta	24 46	65 28	1178	881·1	..	− 0·2	300·5	306·4	18th	289·8	286·1	4th	295·2	+0·8	295·1	176	+ 51
1125	Goya	29 9	59 15	26	1007·2	1010·1	− 0·5	305·8	311·8	19th	295·6	290·0	1st	300·7	+1·2	299·4	265	+105
1126	Asuncion	25 21	57 37	95	‡1002·8	‡1013·7	+ 2·0	309·2	313·0	15th	296·1	293·5	3rd	302·6	+1·4	301·4	63	− 54
1224	Bahia Blanca	38 45	62 15	20	1007·8	1010·1	− 0·9	303·6	310·5	20th	289·9	281·0	11th	296·8	+0·5	295·6	183	+127
1225	Buenos Ayres	34 36	58 22	25	1010·5	1013·4	+ 0·6	300·4	307·8	22nd	291·1	282·5	11th	295·8	−0·3	295·6	203	+141
1323	Sarmiento	45 30	69 0	274	976·4	1008·4	..	296·9	308·0	14th	282·3	275·0	24th	289·6	−0·5	289·7	0	− 11
1324	Puerto Madryn	42 49	64 58	14	1007·7	1009·4	..	299·8	306·1	3rd	286·2	278·5	25th	293·0	−0·1	292·4	31	+ 20
	March.																	
1123	Catamarca	28 27	65 47	510	953·4	1011·0	+ 1·6	301·6	310·5	8th	290·8	284·0	25th	296·2	−1·9	295·3	41	− 12
1124	Salta	24 46	65 28	1178	882·5	..	+ 0·1	295·9	303·2	9th	287·8	281·5	31st	291·8	−1·2	291·6	107	+ 4
1125	Goya	29 9	59 15	26	1009·4	1012·4	+ 0·5	300·4	306·8	11th	290·4	284·4	27th	295·4	−2·1	294·6	117	− 22
1126	Asuncion	25 21	57 37	95	‡1002·8	‡1013·9	+ 0·9	303·1	309·9	8th	291·5	285·0	28th	297·3	−2·8	295·9	243	+140
1224	Bahia Blanca	38 45	62 15	20	1011·0	1013·4	+ 1·0	299·1	305·5	9th	285·5	279·5	28th	292·3	−0·8	291·6	9	− 57
1225	Buenos Ayres	34 36	58 22	25	1012·6	1015·5	+ 1·2	297·5	300·9	10th	286·5	279·3	27th	292·0	−2·6	291·3	60	− 52
1323	Sarmiento	45 30	69 0	274	979·1	1011·3	..	295·9	305·0	2nd	280·6	273·0	22nd	288·2	+1·7	288·6	7	− 9
1324	Puerto Madryn	42 49	64 58	14	1009·4	1011·1	..	297·2	305·7	24th	285·0	277·5	23rd	291·1	+0·1	290·4	8	− 1
	April.																	
1123	Catamarca	28 27	65 47	510	950·8	1008·5	− 3·5	301·1	311·2	24th	288·3	280·5	28th	294·7	+1·1	294·0	19	+ 1
1124	Salta	24 46	65 28	1178	879·9	..	− 3·6	298·5	305·1	25th	286·5	279·2	30th	292·5	+2·5	292·5	11	− 20
1125	Goya	29 9	59 15	26	1007·2	1010·2	− 4·0	301·2	307·5	23rd	292·4	283·0	28th	296·8	+2·6	295·3	129	+ 14
1126	Asuncion	25 21	57 37	95	‡1002·0	‡1013·0	− 2·9	302·6	307·4	22nd	293·2	286·8	8th	297·9	+1·4	296·5	165	+ 35
1224	Bahia Blanca	38 45	62 15	20	1008·1	1010·5	− 3·5	293·9	303·0	23rd	282·6	272·0	16th	288·2	−0·7	287·6	24	− 41
1225	Buenos Ayres	34 36	58 22	25	1010·2	1013·2	− 3·2	294·7	303·8	24th	286·3	277·0	28th	290·5	+0·7	290·5	145	+ 59
1323	Sarmiento	45 30	69 0	274	973·2	1005·9	..	287·2	292·0	2nd	275·6	268·0	30th	281·4	−1·3	282·4	10	− 3
1324	Puerto Madryn	42 49	64 58	14	1005·3	1007·0	..	292·4	300·5	24th	279·0	268·2	15th	285·7	−1·5	285·5	23	+ 4
	May.																	
1123	Catamarca	28 27	65 47	510	950·4	1008·9	− 4·3	296·8	304·2	6th	284·1	277·9	20th	290·4	+0·9	289·7	7	− 5
1124	Salta	24 46	65 28	1178	879·4	..	− 3·6	296·3	303·4	26th	281·6	274·2	19th, 23rd	289·0	+2·1	289·0	0	− 9
1125	Goya	29 9	59 15	26	1007·7	1010·7	− 5·5	296·5	305·6	7th	287·6	278·8	19th	292·0	+2·0	291·2	118	+ 48
1126	Asuncion	25 21	57 37	95	‡1001·7	‡1012·8	− 4·5	299·5	305·0	6th	290·4	279·1	19th	295·0	+2·4	294·3	192	+ 95
1224	Bahia Blanca	38 45	62 15	20	1005·0	1007·4	− 6·5	290·3	296·5	3rd	279·2	272·3	17th	284·8	+0·3	284·8	28	− 3
1225	Buenos Ayres	34 36	58 22	25	1009·7	1012·7	− 4·4	291·3	300·3	6th	281·5	272·4	18th	286·4	+0·1	286·5	39	− 38
1323	Sarmiento	45 30	69 0	274	968·0	1000·8	..	284·9	290·0	24th	274·0	263·5	24th	279·4	+0·3	279·6	11	− 11
1324	Puerto Madryn	42 49	64 58	14	1002·2	1003·9	..	288·0	293·7	21st	277·0	269·8	17th	282·5	−0·4	282·8	28	+ 3
	June.																	
1123	Catamarca	28 27	65 47	510	957·4	1017·8	+ 2·3	290·4	296·7	3rd	276·4	272·6	7th	283·4	−1·9	282·2	3	0
1124	Salta	24 46	65 28	1178	884·2	..	+ 1·1	289·3	303·6	16th	273·1	268·1	12th	281·2	−2·9	281·2	0	− 1
1125	Goya	29 9	59 15	26	1015·7	1018·8	+ 1·1	290·9	299·5	15th	278·3	272·5	21st	284·6	−2·5	284·2	0	− 40
1126	Asuncion	25 21	57 37	95	‡1009·6	‡1021·1	+ 2·1	291·5	300·6	19th	282·0	272·9	7th	286·8	−3·6	286·3	13	− 48
1224	Bahia Blanca	38 45	62 15	20	1012·9	1015·3	− 1·0	283·9	294·8	8th	274·6	268·7	7th	279·2	−2·7	278·8	15	− 10
1225	Buenos Ayres	34 36	58 22	25	1016·7	1019·8	+ 1·4	285·2	292·2	3rd	274·5	268·5	7th	279·8	−3·9	279·7	10	− 58
1323	Sarmiento	45 30	69 0	274	979·5	1013·2	..	279·8	286·8	1st	270·5	261·4	10th	275·2	−1·1	274·9	35	+ 26
1324	Puerto Madryn	42 49	64 58	14	1011·4	1013·1	..	283·9	289·8	28th	273·2	269·2	8th	278·6	−1·3	278·8	6	− 14
	July.																	
1123	Catamarca	28 27	65 47	510	955·2	1014·8	− 0·8	295·0	301·8	15th	277·6	274·0	8th	286·3	+0·3	285·7	0	− 2
1124	Salta	24 46	65 28	1178	883·4	..	+ 0·7	294·4	303·4	27th	275·6	268·9	22nd	285·0	+0·4	285·0	0	− 1
1125	Goya	29 9	59 15	26	1013·4	1016·5	− 0·3	295·1	304·2	14th	282·0	273·0	3rd, 21st	288·6	+0·4	287·7	3	− 43
1126	Asuncion	25 21	57 37	95	‡1008·4	‡1019·8	+ 1·8	295·8	303·7	16th	283·9	271·5	22nd	289·9	−2·4	289·5	3	− 54
1224	Bahia Blanca	38 45	62 15	20	1010·5	1012·9	− 2·5	287·8	294·5	6th	277·6	270·0	21st	282·7	+0·8	282·0	13	− 14
1225	Buenos Ayres	34 36	58 22	25	1014·3	1017·3	− 1·3	288·1	293·0	9th	277·6	269·2	21st	282·8	−0·4	282·7	16	− 40
1323	Sarmiento	45 30	69 0	274	973·6	1006·6	..	283·7	290·0	6th	273·9	267·5	24th	278·8	+3·2	279·2	6	− 20
1324	Puerto Madryn	42 49	64 58	14	1007·3	1009·0	..	288·5	297·5	22nd	277·2	271·0	24th	282·8	+2·8	282·6	3	− 10
	August.																	
1123	Catamarca	28 27	65 47	510	953·6	1012·3	− 3·5	300·4	305·0	17th	..	..	..	..	+1·0	289·5	0	− 3
1124	Salta	24 46	65 28	1178	881·8	..	− 2·1	297·2	306·1	6th	277·8	272·2	31st	287·5	+1·5	288·0	0	− 3
1125	Goya	29 9	59 15	26	1010·8	1013·9	− 2·7	297·5	306·0	7th	284·1	276·2	15th	290·8	+1·7	289·9	60	+ 25
1126	Asuncion	25 21	57 37	95	‡1004·8	‡1016·0	− 1·6	299·5	306·8	8th	286·5	276·3	25th	293·0	+0·1	292·4	13	− 28
1224	Bahia Blanca	38 45	62 15	20	1009·3	1011·7	− 5·3	290·4	295·5	2nd	279·2	272·0	9th	284·8	+1·6	284·2	5	− 20
1225	Buenos Ayres	34 36	58 22	25	1012·3	1015·3	− 3·2	290·2	297·6	6th	278·8	272·4	10th	284·5	+0·4	284·6	24	− 37
1323	Sarmiento	45 30	69 0	274	972·6	1005·6	..	284·9	289·0	10th	274·4	269·0	31st	279·6	+1·6	279·8	6	− 7
1324	Puerto Madryn	42 49	64 58	14	1005·6	1007·3	..	289·2	294·2	10th	276·9	269·5	9th	283·0	+2·0	283·4	1	− 7
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page xiv.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

‡ A correction of +3·7 mb. has been applied to the pressure values at this station.

Additions and Corrections, 1915–1916—(*cont.*)

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean *	Precipitation. Total.	Precipitation. Diff. from Normal.
	1915—*cont.*																	
	September.	° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1123	Catamarca	28 27	65 47	510	955·0	1013·6	+ 1·2	299·1	308·5	11th	..	..	..	..	−1·1	291·2	3	− 4
1124	Salta	24 46	65 28	1178	882·6	..	− 0·3	296·5	306·8	11th	280·0	274·1	1st	288·2	−1·1	288·7	2	− 4
1125	Goya	29 9	59 15	26	1011·7	1014·8	− 1·0	296·1	307·1	4th	285·0	279·5	29th	290·6	−0·7	289·7	50	+ 15
1126	Asuncion.	25 21	57 37	95	‡1005·2	‡1016·5	− 0·1	298·2	307·9	13th	286·7	276·5	17th	292·4	−2·3	291·7	86	− 17
1224	Bahia Blanca	38 45	62 15	20	1014·6	1017·0	− 0·3	291·9	299·5	30th	279·4	270·0	7th	285·6	−0·2	285·0	24	− 17
1225	Buenos Ayres	34 36	58 22	25	1015·1	1018·1	− 0·3	290·2	298·9	30th	280·4	274·2	29th	285·3	−1·1	285·3	62	− 3
1323	Sarmiento	45 30	69 0	274	981·4	1014·4	..	287·6	294·6	29th	274·8	270·4	13th	281·2	+1·8	282·3	5	− 1
1324	Puerto Madryn	42 49	64 58	14	1013·7	1015·4	..	290·8	300·0	30th	276·7	270·5	13th	283·8	0·0	283·6	2	− 1
	October.																	
1123	Catamarca	28 27	65 47	510	951·3	1008·6	− 2·0	302·9	311·4	23rd	..	..	..	..	+0·6	296·1	5	− 13
1124	Salta	24 46	65 28	1178	880·3	..	− 2·1	299·4	308·2	4th	285·5	278·2	1st	292·4	+0·7	292·9	17	− 3
1125	Goya	29 9	59 15	26	1008·6	1011·6	− 2·0	300·3	307·7	3rd	288·0	282·8	14th	294·1	+0·9	293·7	115	− 6
1126	Asuncion.	25 21	57 37	95	‡1001·5	‡1012·6	− 1·7	301·8	308·1	25th	289·9	283·0	2nd	295·8	−1·0	294·8	69	+ 26
1224	Bahia Blanca	38 45	62 15	20	1012·2	1014·6	− 0·6	294·9	305·5	2nd	283·5	278·2	5th	289·2	+0·1	288·1	83	+ 50
1225	Buenos Ayres	34 36	58 22	25	1012·3	1015·3	− 1·1	294·2	302·9	1st	283·3	277·0	14th	288·8	−1·2	288·9	36	+ 4
1323	Sarmiento	45 30	69 0	274	980·2	1012·8	..	292·1	299·0	27th	278·6	274·0	25th	285·4	+0·8	285·2	9	+ 7
1324	Puerto Madryn	42 49	64 58	14	1012·5	1014·2	..	291·8	303·4	22nd	280·6	272·4	12th	286·2	−0·6	285·7	23	
	November.																	
1123	Catamarca	28 27	65 47	510	951·4	1008·3	+ 1·0	306·5	313·7	26th	..	..	..	..	+0·3	298·4	15	− 20
1124	Salta	24 46	65 28	1178	881·1	..	+ 0·1	301·6	309·1	15th	285·8	281·2	17th	293·7	+0·1	294·4	52	− 5
1125	Goya	29 9	59 15	26	1008·5	1011·5	+ 0·6	304·5	312·0	15th	289·3	284·0	2nd	296·9	+1·2	296·6	55	− 18
1126	Asuncion.	25 21	57 37	95	‡1002·5	‡1013·6	+ 1·5	302·8	309·2	15th	290·2	285·8	2nd	296·5	−2·3	295·4	85	− 30
1224	Bahia Blanca	38 45	62 15	20	1008·6	1011·0	− 0·1	301·1	307·8	25th	287·5	280·0	16th	294·3	+2·0	293·6	23	+ 14
1225	Buenos Ayres	34 36	58 22	25	1010·5	1013·4	− 0·2	298·7	307·2	26th	286·7	278·3	2nd	292·7	−0·4	292·8	141	+ 9
1323	Sarmiento	45 30	69 0	274	975·6	1007·8	..	294·1	301·0	3rd	282·1	277·3	5th	288·1	+0·3	287·1	1	− 4
1324	Puerto Madryn	42 49	64 58	14	1007·2	1008·9	..	298·5	307·8	12th	283·9	277·1	16th	291·2	+1·4	290·4	4	
	December.																	
1123	Catamarca	28 27	65 47	510	950·2	1006·7	+ 0·7	307·3	314·7	13th	..	..	..	..	+0·5	300·3	31	− 5
1124	Salta	24 46	65 28	1178	880·6	..	+ 0·1	301·6	308·1	15th	289·2	281·7	24th	295·4	+1·3	296·1	106	+ 50
1125	Goya	29 9	59 15	26	1006·6	1009·6	+ 0·3	306·7	314·5	15th	292·2	283·4	24th	299·4	+1·2	298·9	171	+ 52
1126	Asuncion.	25 21	57 37	95	‡1000·5	‡1011·5	+ 0·3	305·7	310·8	17th	293·9	285·2	24th	299·8	−1·4	298·1	201	+ 52
1224	Bahia Blanca	38 45	62 15	20	1007·2	1009·5	+ 0·3	302·8	308·5	5th	288·5	279·7	23rd	295·6	+1·0	295·6	106	+ 1
1225	Buenos Ayres	34 36	58 22	25	1008·7	1011·6	− 0·5	301·6	308·4	14th	288·8	279·1	24th	295·2	+1·7	295·2	104	+ 4
1323	Sarmiento	45 30	69 0	274	977·0	1009·0	..	296·8	307·0	30th	283·1	274·0	22nd	290·0	+1·1	289·9	6	
1324	Puerto Madryn	42 49	64 58	14	1007·2	1008·9	..	298·4	310·8	31st	285·0	278·8	23rd	291·7	−0·2	290·8	8	
	Year.																	
1123	Catamarca	28 27	65 47	510	952·4	1010·3	− 0·7	301·0	314·7	Dec. 13th	..	272·6	June 7th	..	−0·1	293·4	243	− 85
1124	Salta	24 46	65 28	1178	881·4	..	− 0·9	297·7	309·1	Nov. 15th	283·6	268·1	June 12th	290·6	+0·4	290·8	653	+ 42
1125	Goya	29 9	59 15	26	1009·4	1012·4	− 1·2	300·0	314·5	Dec. 15th	288·2	272·5	June 21st	294·1	+0·5	293·3	1378	+ 58
1126	Asuncion.	25 21	57 37	95	‡1003·6	‡1014·7	− 0·1	301·3	313·5	Jan. 13th	289·9	271·5	July 22nd	295·6	−1·0	294·6	1318	+ 73
1224	Bahia Blanca	38 45	62 15	20	1009·6	1012·0	− 1·5	295·2	310·5	Feb. 20th	283·0	268·7	June 7th	289·1	+0·1	288·5	613	+ 14
1225	Buenos Ayres	34 36	58 22	25	1011·8	1014·8	− 0·9	294·4	308·4	Dec. 14th	283·8	268·5	June 7th	289·1	−0·6	289·1	928	− 8
1323	Sarmiento	45 30	69 0	274	976·2	1008·8	..	290·1	308·0	Feb. 14th	277·7	261·4	June 10th	283·9	+0·5	284·1	97	+ 27
1324	Puerto Madryn	42 49	64 58	14	1008·1	1009·8	..	293·1	310·8	Dec. 31st	280·6	268·2	April 15th	286·8	0·0	286·5	180	
	1916. 1126 Asuncion.—																	
	January	25 21	57 37	95	‡ 999·9	‡1010·8	− 0·1	306·7	311·2	13th	293·6	285·0	19th	300·1	−1·7	298·2	279	+ 135
	February	25 21	57 37	95	‡1001·1	‡1012·1	+ 0·4	303·1	308·2	22nd	292·5	285·2	28th	297·8	−3·1	296·9	205	− 50
	March	25 21	57 37	95	‡1002·0	‡1013·1	+ 0·1	303·4	308·7	18th	290·7	285·5	6th	297·1	−3·3	295·4	47	− 53
	April	25 21	57 37	95	‡1003·5	‡1014·6	− 1·3	301·8	307·0	27th	291·0	283·0	10th	296·4	+0·2	295·3	145	+ 13
	May	25 21	57 37	95	‡1005·6	‡1016·9	− 0·4	297·9	303·2	11th	288·2	283·6	24th	293·1	−0·1	291·8	328	+ 98
	June	25 21	57 37	95	‡1009·5	‡1021·1	+ 2·1	289·4	300·2	4th	281·1	273·3	17th	285·3	−5·4	284·5	107	+ 6
	July	25 21	57 37	95	‡1009·1	‡1020·6	+ 2·6	291·8	302·8	21st	282·4	272·2	6th	287·1	−5·1	286·8	118	+ 6
	August	25 21	57 37	95	‡1006·8	‡1018·1	+ 0·5	295·5	304·0	23rd	285·9	276·6	16th	290·7	−2·1	290·2	47	− 40
	September	25 21	57 37	95	‡1002·5	‡1013·6	− 3·0	301·4	310·0	21st	290·2	276·0	1st	295·8	+1·4	295·4	21	− 32
	October	25 21	57 37	95	‡1003·9	‡1015·0	+ 0·7	302·7	309·8	31st	287·7	283·0	5th	295·2	−1·0	294·8	42	− 13
	November	25 21	57 37	95	‡ 998·5	‡1009·4	− 2·7	306·2	313·0	23rd	290·1	283·4	11th	298·1	0·0	297·7	41	− 4
	December	25 21	57 37	95	‡ 999·3	‡1010·3	− 0·9	305·3	313·0	6th, 7th	292·4	285·4	21st	298·9	−1·5	298·0	107	+ 20
	Year	25 21	57 37	95	‡1003·5	‡1014·7	− 0·1	300·4	313·0	Nov. 23, Dec. 6, 7	288·8	272·2	July 6th	294·6	−1·8	293·8	1487	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

Authority for all stations above:—M.S. data supplied by the Director, Oficina Meteor. Argentina, Buenos Ayres. * Remarks:—**P**, true mean **T**=mean of 24 hrs.

‡ A correction of +3·7 mb. has been applied to the pressure values at this station.

RÉSEAU MONDIAL, JANUARY 1917

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JANUARY 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. — JANUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	243·9	270·8	12th, 13th	237·6	226·3	9th	240·7	..	..	0	..
123	Inglefield Bay	77 20	67 30	?	?1002·2	..	− 4·6	..	?273·3	24th, 27th	..	?240·1	4th	..	..	*?256·7*	1	..
124	Upernivik	72 47	W56 7	18·9	998·4	1000·8	− 4·8	270·4	282·3	21st	259·5	243·0	1st	264·9	+14·1	*265·1*	14	+ 2
125	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1009·1	1010·7	+ 3·8	..	272·4	23rd	242·7	231·0	17th	..	−5·6	249·3	17	− 14
139	Gjesvaer	71 6	25 22	6·5	1005·6	1006·4	+ 3·6	..	277·3	16th	265·7	260·0	5th	..	−0·6	*268·8*	127	+ 77
140	Mehavn	71 1	27 47	6·4	1005·4	1006·2	+ 4·8	..	276·9	21st	264·5	256·9	15th	..	−0·6	*267·7*	67	− 4
141	Vardö	70 22	31 8	10·0	1005·2	1006·5	+ 1·7	..	276·4	20th	264·2	257·6	6th	..	−0·5	*267·0*	64	− 6
142	Malye Karmakouly	72 23	52 43	14·8	1003·4	1005·4	− 2·3	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24	58 47	11·2	1005·1	1006·7	− 2·0	261·0	267·5	9th, 10th	245·1	237·6	16th, 30th	253·0	..	*250·0*	4	..
		N.	E.															

Between Latitude 70° N. and 60° N. — JANUARY—ZONE 2.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1020·0	+ 7·8	253·8	273·0	12th	244·4	233·0	5th, 6th	249·1	−8·1	..	0	− 21
204	Candle	65 55	161 57	2·4	..	..	..	244·6	273·0	13th, 14th	237·4	226·3	6th	241·0	..	..	..	..
205	Tanana	65 10	152 6	69·5	..	1022·0	+ 3·5	243·9	274·1	13th, 14th	232·8	220·8	10th	238·3	−9·5	*238·3*	24	+ 11
206	Rampart	65 30	150 15	122	..	..	..	243·0	269·1	14th	233·3	218·6	6th	238·2	..	..	28	+ 15
207	Valdez	61 7	146 16	8·2	..	1013·2	+ 4·9	267·6	274·1	8th	260·8	244·1	4th	264·2	−1·1	*264·7*	134	+ 44
208	Eagle	64 46	141 12	254	..	1021·7	+ 2·8	248·6	271·9	14th	236·9	221·9	3rd	242·8	−3·4	..	7	− 4
209	Dawson	64 4	139 20	328	980·8	1026·7	+ 4·0	245·8	258·0	8th, 9th	237·4	223·0	4th	241·6	−0·9	..	13	− 9
210	Carcross	60 11	134 34	662	..	..	..	260·1	276·3	8th	249·9	227·4	4th, 5th	255·0	+2·0	..	18	+ 5
211	Fort Good Hope	66 25	128 53	65·2	1016·1	1025·6	..	246·9	271·9	14th, 15th	234·7	216·9	31st	240·8	..	..	8	..
212	Fort Simpson	61 52	121 35	129	1004·9	1023·4	..	247·4	264·7	16th	236·3	224·7	5th	241·9	−2·7	..	21	+ 7
213	Hay River	60 51	115 20	161	999·0	1021·6	..	249·7	264·1	16th	239·1	224·1	6th	244·4	−1·5	..	13	..
225	Jacobshavn	69 13	51 2	12·6	998·7	1000·3	− 4·0	..	..	..	..	..	..	..	..	..	19	+ 10
226	Godthaab	64 11	51 43	9·0	991·2	992·4	− 5·9	275·8	283·8	25th	268·3	262·4	2nd	272·1	+8·8	*271·8*	24	− 14
227	Ivigtut	61 12	48 10	5·0	995·1	995·7	− 1·8	..	..	..	269·0	260·9	7th	..	+6·9	*272·4*	65	− 17
229	Angmagsalik	65 37	37 33	31·7	1003·0	1007·0	+10·3	273·2	277·6	24th	267·4	257·8	7th	270·3	+5·9	*270·5*	195	+108
231	Stykkisholm	65 5	22 46	11·3	1013·8	1015·2	+18·0	276·1	280·1	21st	270·7	263·5	9th	273·4	+2·5	*273·3*	37	− 37
232	Vestmanno	63 3	20 15	7·7	1012·7	1013·7	+16·3	277·4	279·7	18, 21, 23	273·0	265·8	7th	275·2	+0·9	*275·4*	140	− 6
233	Grimsey	66 33	17 58	22·0	..	..	..	275·1	280·7	14th	271·3	265·1	8th	273·2	+2·1	*273·3*	0	− 17
233a	Akureyri	65 40	18 4	6·8	1014·3	1015·2	+15·7	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1013·5	1015·7	+16·9	274·9	279·6	14th	269·5	261·5	9th	272·2	+0·5	*272·5*	20	−109
235	Thorshavn	62 3	6 45	25·7	1013·8	1017·0	+12·8	276·9	279·5	1st	273·3	267·8	9th	275·1	−1·0	*275·3*	60	−115
236	Lerwick	60 9	W 1 8	18·0	1013·4	1015·7	+ 9·1	277·6	281·3	1st	274·8	271·9	10th	276·2	−0·7	*276·4*	73	− 35
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1011·1	1016·8	+ 6·8	..	279·0	2nd	268·0	264·6	20th	..	−4·1	*270·3*	28	−140
238	Christiansund	63 7	7 45	17·8	1015·2	1017·4	+10·3	..	277·2	11th	270·4	265·4	4th	..	−1·9	*272·8*	38	− 74
239	Trondhjem	63 26	10 25	39·5	1013·2	1018·3	+10·3	..	276·4	24th	264·1	252·7	5th	..	−2·8	*267·5*	19	− 87
240	Bodö	67 17	14 24	22·4	1011·4	1014·2	+ 9·0	..	278·0	16th	267·4	238·0	4th	..	−1·0	*270·4*	49	− 41
241	Haparanda	65 50	24 9	9·2	1012·4	1013·6	+ 3·4	262·9	273·5	23rd	253·7	241·0	7th	258·3	−3·2	*258·5*	10	− 29
242	Helsingfors	60 10	24 57	11·7	1013·4	1014·9	+ 0·5	267·8	272·2	8th	260·0	251·1	2nd	263·9	−3·3	*264·0*	45	+ 3
242a	Kuopio	62 54	27 40	90·3	1001·9	1013·8	+ 0·4	264·8	271·0	25th	256·5	243·5	30th	260·7	−2·3	*261·4*	31	− 15
243	Kola	68 53	33 1	6·7	1008·2	1009·1	+ 2·3	263·5	275·7	19th	254·2	237·2	6th	258·8	−2·2	*259·2*	23	+ 11
244	Petrozavodsk	61 47	34 23	38·9	1008·0	1013·1	− 1·6	..	268·1	18th	..	..	..	..	−1·9	*260·9*	..	..
245	Arkhangelsk	64 35	40 36	5·8	1010·2	1011·0	− 0·9	262·6	272·7	20th	254·1	242·3	29th	258·4	−0·9	*258·6*	16	− 7
246	Mezen	65 50	44 16	12·6	1007·0	1008·7	− 2·1	260·7	272·2	21st	251·7	236·7	29th	256·2	−1·6	*256·5*	25	+ 15
247	Oust-Tsylma	65 25	52 14	? 70	1000·7	1010·2	− 6·2	256·8	270·1	22nd	247·5	230·3	25th	252·2	−2·5	*252·1*	17	..
248	Tcherdyn	60 24	56 31	?177	990·8	1014·3	− 5·6	260·6	271·0	15th	253·9	236·6	31st	257·2	+3·0	*257·2*	53	+ 21
249	Berezov	63 56	65 4	39·9	1008·0	1013·5	− 4·2	..	267·6	7th	245·4	227·0	26th	..	+0·5	*250·0*	32	+ 17
250	Obdorsk	66 31	66 35	23·7	1008·8	1012·0	− 3·8	..	..	..	242·2	226·8	25th	..	−0·5	*246·9*	14	+ 6
251	Sourgout	61 15	73 24	? 40	1011·0	1016·5	− 4·9	..	270·9	19th	248·5	222·5	22nd	..	+4·1	*253·2*	32	+ 17
253	Doudinka	69 23	86 4	20	1013·2	1015·9	− 2·5	..	262·3	8th	241·4	223·2	16th	..	..	*245·4*	4	..
254	Touroukhansk	65 47	87 57	45	1016·6	1022·9	+ 0·6	..	267·8	20th	241·6	214·9	17th	..	+2·1	*246·5*	24	+ 10
261	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
262	Iakoutsk	62 1	129 43	108	1016·6	1032·8	+ 2·1	..	251·6	11th	228·3	220·5	21st	..	+3·3	*232·9*	5	− 4
263	Verkholansk	67 33	133 23	100	1009·0	1024·2	+ 1·2	..	247·9	21st	223·1	210·4	19th	..	+5·4	*227·9*	3	− 1
264	Oust-Maïskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1021·4	1025·1	+ 8·3	243·1	265·1	31st	235·0	222·9	14th	239·0	−4·9	..	6	− 1
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

JANUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	2·4	..	..	..	273·8	275·2	21, 27, 29	270·7	265·8	8th	272·2	..	..	230	..
302	St. Paul Island	57 15	170 10	6·1	..	1011·8	+ 6·5	265·7	275·8	12th	257·4	248·6	21st	261·6	..	..	88	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1006·1	+ 2·5	273·8	278·6	10th, 12th	268·6	261·9	8th	271·2	−2·5	*271·4*	97	− 38
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Experiment Stn.)	57 48	152 22	47·2	..	..	..	272·3	277·4	6, 13, 15	266·4	250·2	1st	269·4	..	..	109	+ 18
309	Sitka	57 3	135 19	27·4	..	1014·2	+ 5·6	274·6	280·8	7th	268·4	254·7	31st	271·5	−1·3	*271·2*	220	+ 51
310	Prince Rupert	54 18	130 18	51·8	1008·0	1014·6	+ 3·1	274·7	281·3	7th	270·2	253·0	29th, 30th	272·4	−1·6	*272·1*	259	+ 16
311	Barkerville	53 2	121 35	1274	865·4	..	..	266·3	275·2	8th	258·6	231·9	30th	262·4	−2·0	*262·3*	236	+ 165
312	Kamloops	50 42	120 29	385	975·9	1025·2	+ 2·2	268·0	279·7	10th	261·9	240·8	31st	264·9	−2·8	*264·9*	21	− 2
313	Calgary	51 2	114 2	1045	890·6	..	..	269·1	281·9	8th	256·3	235·2	31st	262·7	+1·2	*262·3*	9	− 4
314	Fort Chipewyan	58 42	111 10	218	992·2	1022·8	..	248·6	261·9	16th	239·1	224·7	31st	243·8	−4·8	*243·5*	43	+ 26
315	Prince Albert	53 10	106 0	442	961·0	1020·1	+ 0·1	254·7	278·6	8th	245·2	231·3	13th	249·9	−2·0	*249·8*	29	+ 9
316	Qu'Appelle	50 30	103 47	645	933·8	1016·9	− 1·4	258·6	276·9	8th	246·9	231·9	31st	252·7	−2·2	253·9	55	+ 37
317	Minnedosa	50 15	99 50	515	950·9	1018·8	− 1·4	256·3	275·8	8th	245·2	234·1	14th, 15th	250·8	−3·1	*250·1*	56	+ 34
318	Berens River	52 18	97 23	216	..	..	..	252·2	267·4	1st	241·1	232·4	31st	246·7	−4·5	..	28	+ 5
318*a*	Port Nelson	57 4	92 36	14·9	1013·4	1015·4	..	246·3	259·1	16th	239·1	231·3	8th	242·7	..	..	4	..
319	Fort Hope	51 33	87 49	‡260	980·7	1013·5	..	253·0	269·1	29th	240·2	229·1	9, 23, 24	246·6	−5·0	*246·3*	..	..
320	Moose Factory	51 14	80 30	9·1	1013·4	1014·7	− 2·9	256·3	269·7	1st	243·0	231·3	22nd	249·7	−3·5	..	97	+ 68
321	Fort George	53 50	79 5	97·5	..	..	..	254·2	263·6	29th	241·2	228·0	23rd	247·7	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	255·5	269·7	5th, 6th	242·0	228·0	25th	248·7	..	..	56	..
323	Hebron	58 12	62 21	15·0	1001·9	1003·9	− 3·6	..	..	..	250·8	243·6	..	..	..	*254·0*	..	..
324	Natashquan	50 8	61 48	?	..	..	..	262·6	277·4	12th	251·4	240·8	22nd	257·0	..	..	138	..
326	Belle Isle	51 53	55 23	133	987·0	1004·4	− 2·7	262·4	276·3	12th	255·8	244·1	25th	259·1	−1·0	*259·4*	20	− 33
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1013·1	1014·8	+ 0·9	279·2	285·2	2nd	275·7	270·2	17th	277·5	−2·4	277·7	86	− 53
335	Aberdeen	57 10	2 6	26·8	1012·0	1015·4	+ 5·0	277·2	283·6	1st, 2nd	274·0	270·8	6th	275·6	−0·7	275·6	76	+ 21
336	Greenwich	51 28	W 0 0	48·5	1006·6	1012·7	− 2·8	276·4	285·8	1st	273·2	268·6	30th	274·8	−1·8	274·9	27	− 10
337	Uccle	50 48	E 4 22	100	998·2	1010·8	− 6·2	274·2	283·4	2nd	269·8	259·8	26th	272·0	−2·7	272·3	56	− 5
338	De Bilt	52 6	5 11	3·0	1011·3	1011·7	− 4·3	275·2	284·0	4th	270·3	261·4	26th	272·7	−1·9	272·3	49	− 2
338*a*	Hamburg	53 33	9 58	26·0	1010·0	1013·3	− 4·3	274·3	282·0	2nd, 3rd	270·5	262·5	22nd	272·4	−0·9	*272·1*	43	− 4
339	Copenhagen	55 41	12 36	5·0	1014·2	1014·8	− 0·4	273·3	280·3	3rd, 4th	270·2	266·3	6th, 25th	271·7	−1·1	*272·1*	35	+ 27
340	Potsdam	52 23	13 4	84·9	1002·0	1012·8	− 4·9	272·5	281·3	2nd	267·9	258·0	22nd	270·2	−1·9	270·1	67	+ 18
340*a*	Upsala	59 51	17 38	24·0	1013·9	1017·0	+ 4·2	267·0	271·6	25th	258·5	248·8	19th	262·8	−5·9	263·1	14	− 3
341	Warsaw	52 13	21 1	133	997·9	1015·0	− 3·6	270·7	278·4	5th	266·0	255·5	31st	268·3	−1·2	268·2	27	+ 2
342	Jurjev	58 23	26 43	74·5	1005·5	1015·3	+ 0·1	266·5	273·2	14th	259·3	247·8	30th	262·9	−3·5	262·9	33	
343	Petrograd	59 56	30 16	4·8	1013·5	1014·1	− 1·2	265·5	271·5	14th, 23rd	257·8	247·5	17th	261·6	−2·8	*262·0*	27	+ 3
344	Kiev	50 27	30 30	183	993·9	1017·6	− 2·9	268·2	276·3	16th	261·2	249·1	31st	264·7	−2·1	*264·8*	62	+ 36
344*a*	Moscow	55 50	37 33	167	994·2	1016·1	− 3·2	264·8	274·4	15th	257·4	243·5	30th	261·1	−1·6	*261·0*	15	− 17
345	Saratov	51 32	46 3	59·9	1010·8	1018·7	− 4·6	..	275·2	17th	..	..	..	..	+1·2	*263·1*	19	− 7
346	Kazan	55 47	49 8	79·9	1006·6	1017·2	− 4·2	264·8	274·1	12th, 13th	258·0	239·1	31st	261·4	+2·4	*261·5*	22	+ 4
347	Orenburg	51 45	55 6	109	1007·1	1021·6	− 3·5	264·1	274·7	18th	255·5	236·5	28th	259·8	+2·7	*260·2*	22	+ 4
348	Perm	58 1	56 16	163	994·0	1015·5	− 5·6	..	..	..	256·4	234·4	31st	..	+2·6	*259·5*	41	
349	Ekaterinburg	56 49	60 38	281	980·3	1017·1	+ 6·3	262·8	272·7	7th	256·4	239·3	31st	259·6	+3·0	*259·5*	18	+ 5
350	Tobolsk	58 12	68 14	?108	1003·8	1018·3	− 3·2	262·4	273·4	19th	253·7	235·1	22nd	258·0	+4·4	*257·9*	21	− 12
351	Akmolinsk	51 12	71 23	?347	982·7	1028·2	− 1·1	..	273·0	31st	254·4	239·8	22nd, 23rd	..	+4·0	*259·1*	3	− 1
352	Omsk	54 58	73 23	87·9	1011·2	1023·1	− 3·0	..	273·8	31st	253·0	241·2	22nd	..	+5·4	*257·9*	13	− 11
353	Barnaoul	53 20	83 48	162	1010·6	1032·6	+ 0·8	261·3	272·9	30th	251·4	235·0	5th	256·4	+2·4	*256·4*	8	− 12
354	Tomsk	56 30	84 58	122	1012·7	1029·4	+ 1·5	..	269·8	20th	251·5	237·1	1st	..	+2·6	*255·7*	18	
355	Minousinsk	53 43	91 41	249	1002·0	1036·4	+ 1·8	..	271·5	17th	243·6	225·4	2nd	..	..	*250·2*	8	− 1
356	Eniseisk	58 27	92 10	77·6	1021·0	1031·9	+ 2·8	..	267·3	21st	243·6	223·7	1st	..	−0·4	*249·7*	17	− 3
357	Irkutsk	52 16	104 19	467	974·6	1038·0	+ 4·2	..	267·5	7th	243·8	229·6	4th	..	−2·5	*249·5*	11	+ 0
358	Kirensk	57 47	108 7	263	999·5	1036·3	+ 4·8	..	264·6	15th	239·2	222·7	6th	..	−0·1	*245·7*	26	− 1
359	Tchita	52 2	113 30	687	943·0	1035·4	+ 1·6	..	264·4	17th	240·0	227·6	6th	..	+1·1	*246·4*	2	..
360	Blagoveshchensk Priisk	58 10	114 19	490	969·2	1037·9	+ 2·8	..	261·2	12th	234·9	223·1	5th	..	..	*240·5*	19	+ 3
360*a*	Nertchinskii Zavod	51 19	119 37	626	948·2	1033·3	0·0	..	256·1	18th	239·8	230·4	6th	..	+0·4	*243·8*	5	
361	Tygan Ourkan	54 5	124 46	379	975·8	1027·3	..	254·5	265·8	10th	242·1	231·4	15th	248·3	..	*248·4*	1	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	1004·3	1023·9	− 0·9	255·1	261·5	21st	246·0	239·3	10th	250·5	+2·4	*250·4*	9	+ 7
363	Paikanskii Sklad	50 11	130 7	145	1003·0	1023·5	..	253·1	263·5	23rd	237·5	228·9	15th	245·3	..	*244·7*	3	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1016·8	1019·8	+ 3·1	..	269·4	21st	247·7	235·5	7th	..	+3·1	*252·2*	25	+ 11
366	Okhotsk	59 21	143 12	6·0	1018·3	1019·1	+ 3·6	251·7	268·4	31st	245·9	237·0	15th	248·8	−0·3	*248·7*	1	− 1
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1006·0	1007·7	+ 3·6	267·9	277·7	27th	260·0	249·3	9th	263·9	..	*264·0*	114	..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

JANUARY—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1011·8	1020·6	+ 5·3	278·0	282·4	5th	274·7	262·4	30th	276·3	−0·9	276·1	112	− 3
412	Portland, Oregon	45 32	122 41	46·6	1017·8	1023·3	+ 5·2	279·8	285·8	25th	274·7	267·4	31st	277·2	+0·6	*277·5*	65	−103
413	Macleod	49 44	113 24	953	..	..	..	269·7	280·8	9th	258·2	229·1	31st	263·9	−1·6	*263·9*	33	+ 16
414	Helena	46 34	112 4	1253	871·7	1019·3	− 1·5	270·6	282·4	5th	261·7	241·3	31st	266·1	+0·1	*266·4*	23	− 2
414*a*	Salt Lake City	40 46	111 54	1329	869·9	1023·3	+ 2·2	271·1	280·2	29th	262·9	256·3	18th	267·0	−3·7	*267·6*	23	− 11
415	Cheyynne	41 8	104 48	1856	808·1	1017·3	− 1·1	272·9	283·0	11th	261·7	248·6	22nd	267·3	−1·3	*268·1*	8	− 2
416	North Platte	41 8	100 45	859	916·4	1020·0	− 0·4	275·3	287·4	9th	260·4	243·6	22nd	267·9	+0·2	*267·3*	19	+ 8
416*a*	Bismarck	46 47	100 38	511	955·0	1019·3	− 1·5	264·6	279·1	9th	252·8	239·7	31st	258·7	+0·2	*259·1*	17	+ 4
417	Winnipeg	49 53	97 7	232	987·8	1019·3	− 0·5	255·2	271·3	8th	246·3	234·1	14th	250·8	−2·0	*250·1*	28	+ 7
418	Duluth	46 47	92 6	345	972·7	1016·6	− 2·1	262·4	276·3	8th	251·5	241·9	15th	256·9	−2·8	*256·6*	20	− 9
419	Port Arthur	48 27	89 12	196	989·9	1015·9	− 1·5	262·4	273·0	2nd	250·8	240·2	11th	256·6	−1·5	*255·9*	8	− 11
420	Chicago	41 53	87 37	251	986·0	1017·3	− 1·5	272·8	281·3	29th	264·5	253·0	14th	268·7	+0·1	*268·9*	39	− 14
421	Toronto	43 40	79 24	116	1000·7	1015·7	− 1·8	271·9	277·4	4, 29, 30	263·6	250·2	11th	267·7	+0·2	267·7	75	+ 2
422	New York (Central Park)	40 46	73 58	30·2	1012·7	1016·5	− 2·3	277·2	283·6	5th	269·7	259·7	11th	273·4	+0·9	273·5	75	− 14
423	St. John, N.B.	45 17	66 4	36·2	1008·0	1012·7	− 2·9	269·7	281·3	14th	260·8	249·7	28th, 29th	265·2	−0·7	265·2	110	− 12
424	S.W. Point, Anticosti	49 24	63 33	9·1	1008·0	1009·2	− 2·7	265·2	274·1	10, 14, 15	258·0	246·3	25th	261·6	−0·8	*262·1*	83	+ 28
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1012·8	1013·8	− 0·9	274·1	283·0	12th	268·0	259·7	20th	271·1	−1·2	*271·1*	82	− 60
425	Port aux Basques	47 35	59 10	9·1	1008·3	1009·5	− 1·8	269·1	280·2	12th	263·6	256·9	20th	266·3	−0·9	*266·3*	133	− 14
426	St. John's, Newfoundland	47 34	52 42	38·1	999·5	1004·4	− 5·4	270·2	283·0	12th	264·1	253·6	25th	267·2	−1·5	*267·2*	56	− 90
435	Madrid	40 24	3 41	655	935·2	1013·2	− 8·7	281·8	289·3	3rd	271·7	267·0	19th	276·7	−1·1	276·7	20	− 13
436	Nantes	47 15	W 1 34	36·5	1007·5	1012·0	− 6·2	277·1	285·7	1st	272·5	265·0	30th	274·8	−2·6	274·9	41	− 17
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1005·4	1011·7	− 6·7	275·7	284·9	1st	271·0	262·3	31st	273·4	−1·9	273·4	26	− 13
438	Marseilles	43 18	5 23	74·8	997·7	1007·0	−10·0	281·7	289·8	1st	273·3	266·7	31st	277·5	−2·3	277·0	71	+ 17
438*a*	Zürich	47 23	8 33	493	951·8	1012·2	− 9·5	273·3	282·9	2nd	269·6	262·6	27th, 29th	271·5	−0·2	271·3	24	− 29
439	Rome	41 54	12 27	45	1000·8	1006·2	−11·2	283·3	287·5	16th	277·8	274·0	26th	280·5	+0·2	*280·3*	107	+118
440	Vienna	48 15	16 22	203	986·3	1011·7	− 8·9	273·6	284·2	4th	269·3	259·1	23rd	271·5	+0·6	271·4	86	+ 49
440*a*	Buda-Pesth	47 31	19 1	130	995·2	1011·4	− 9·6	276·2	287·0	4th	271·2	261·7	28th	273·7	+2·1	*273·3*	57	+ 19
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1003·5	1013·9	− 7·7	276·2	286·8	16th	270·3	262·3	24th	273·2	+3·3	272·8	63	+ 32
443	Odessa (University)	46 29	30 44	65·3	1007·0	1015·3	− 5·8	275·2	283·0	16th	269·7	258·4	31st	272·4	+2·7	*272·5*	73	+ 47
444	Kharkov (University)	50 0	36 14	140	1000·7	1018·9	− 3·5	267·8	276·7	15th	260·4	244·0	2nd	264·1	−0·8	*264·4*	40	+ 6
444*a*	Novorossiisk	44 44	37 49	37·1	1010·2	1014·8	− 5·1	280·3	287·0	9th	273·9	265·0	23rd	277·1	+2·2	*277·3*	129	+ 59
445	Tiflis	41 43	44 48	404	969·1	1018·3	− 5·2	282·0	289·2	14th	272·3	267·6	19th	277·2	+3·0	*276·2*	10	− 5
446	Astrakhan	46 21	48 2	−13·8	1021·9	1020·1	− 4·1	272·0	280·7	17th	266·5	250·5	31st	269·2	+3·1	*269·1*	12	− 1
447	Fort Alexandrovsk	44 30	50 16	24	1016·6	1019·6	− 4·2	..	282·8	9th	270·7	262·0	29th	..	+4·9	*273·7*	0	− 9
448	Krasnovodsk	40 0	52 59	−14·6	1019·2	1017·4	− 5·6	284·3	288·1	8th	277·2	269·9	26th	280·8	+5·1	*280·5*	6	− 8
449	Aralskoe More	46 47	61 42	57·0	1016·2	1023·7	− 2·5	269·7	276·1	18th	260·2	251·1	23rd	265·0	+7·8	*265·3*	4	..
450	Tachkent	41 20	69 18	479	963·9	1021·7	− 4·6	283·9	290·3	31st	273·5	266·6	27th	278·7	+6·8	*278·6*	9	− 42
451	Narynskoe	41 26	76 0	?2015	799·4	..	..	..	266·8	23rd	248·7	241·9	6th	..	−0·8	*255·1*	2	..
452	Vernyi	43 16	76 53	?825	923·4	1023·7	− 5·3	275·7	280·6	14th	264·4	257·6	11th	270·0	..	*269·5*	14	..
461	Mukden	41 48	123 23	43·8	1022·7	1028·7	+ 0·8	263·0	275·5	16th	250·0	241·7	3rd	256·5	−3·4	256·1	1	− 3
462	Joshin	40 40	129 11	4·0	1019·2	1019·7	− 2·2	270·7	277·0	13th	258·5	249·9	21st	264·6	−2·6	264·1	14	− 11
463	Yuki	42 20	130 24	65·6	1012·0	1020·8	..	266·0	274·6	13th	258·4	251·6	8th, 22nd	262·2	..	262·0	0	..
464	Vladivostok	43 7	131 55	128	1003·8	1021·0	− 2·6	260·5	272·0	17th, 18th	253·3	246·1	21st	256·9	−2·5	256·8	29	+ 22
465	Ochiai	47 20	142 44	6·6	1011·0	1011·9	− 3·4	266·0	272·2	22nd	253·9	236·2	16th	260·4	+2·5	261·6	112	+ 70
466	Nemuro	43 20	145 35	26·7	1005·3	1008·7	− 3·3	272·2	277·2	19th	265·4	259·8	12th	268·8	+1·1	269·2	85	+ 50
466*a*	Syana	45 14	147 53	39·3	1002·3	1007·3	− 3·4	272·1	276·9	19th	266·7	258·9	23rd	269·4	+2·2	269·8	118	+ 20
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N. — JANUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1015·8	1021·7	+ 2·0	285·4	290·2	25th	277·9	274·1	16th	281·7	−1·6	*281·1*	46	−79
512	San Luis Obispo	35 18	120 39	61·3	1013·6	1021·3	+ 1·7	287·7	296·3	10th	276·6	271·9	1st	282·2	−1·8	*282·4*	40	−100
513	San Diego	32 43	117 10	26·5	1015·9	1019·3	+ 1·1	287·7	298·0	10th	280·1	277·4	24th	283·9	−1·4	*283·8*	110	+ 54
514	Modena	37 48	113 54	1670	834·3	1024·0	+ 3·7	271·1	279·1	11th	254·4	245·2	17th	262·8	−7·5	*262·9*	27	+ 1
515	Santa Fé	35 41	105 57	2138	784·5	1017·9	− 0·7	276·2	281·9	30th	265·4	258·6	23rd	270·8	−0·1	*271·0*	14	− 4
516	Denver	39 45	105 0	1613	834·0	1017·3	− 0·5	277·5	288·0	11th	264·4	249·7	22nd	271·0	−0·2	*271·2*	5	− 6
517	Abilene	32 23	99 40	530	956·5	1018·9	− 0·7	287·2	300·2	30th	274·4	264·7	15th	280·8	+1·6	*280·5*	18	− 1
518	Saint Louis	38 38	90 12	173	996·9	1017·9	− 2·4	279·5	291·3	21st	269·6	261·3	14th	274·6	+1·9	*274·3*	44	− 21
519	Mobile	30 41	88 2	17·4	1018·0	1020·0	− 0·8	291·3	298·0	9th	282·7	273·0	14th	287·0	+3·6	*286·5*	77	− 39
520	Nashville	36 10	86 47	166	999·6	1020·0	− 1·1	283·2	295·8	29th	273·7	261·3	14th	278·4	+2·6	*278·9*	185	+ 66
521	Charleston	32 47	79 56	14·6	1018·2	1020·0	− 1·1	289·9	297·4	30th	281·1	270·8	12th	285·5	+2·8	*285·4*	68	− 14
522	Washington	38 54	77 3	34·1	1013·8	1018·3	− 1·9	279·2	288·0	22nd	270·1	263·0	12th	274·7	+0·9	*274·4*	65	− 21
523	Bermuda	32 18	64 46	46·0	1014·2	1019·7	+ 0·3	292·9	295·2	11th	287·6	282·7	1st	290·3	+0·1	*290·0*	84	− 17
524	Santa Cruz (Flores)	39 27	31 9	28	1013·5	1016·6	− 4·2	289·2	291·8	20th	280·8	275·0	25th	285·0	−2·2	*285·1*	294	+ 74
530	Horta	38 32	28 38	65	1009·9	1017·1	− 3·1	288·5	291·7	4th	284·3	279·0	31st	286·4	−1·0	286·7	131	+ 9
531	Ponta Delgada	37 44	25 40	22	1015·9	1017·9	− 3·4	288·7	291·0	1st	284·5	280·6	25th	286·6	−0·6	286·7	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	117	− 51
533	Madeira (Funchal)	32 37	16 54	25	1015·6	1018·6	− 3·2	290·1	291·6	22nd, 27th	285·2	283·2	16th	287·7	−0·9	*287·6*	196	+105
534	Lisbon	38 43	9 9	95	1002·1	1013·7	− 8·0	285·7	289·5	3rd	280·7	276·3	18th	283·2	−0·1	*283·1*	134	+ 44
535	Gibraltar	36 6	5 21	16·2	1011·8	1013·8	− 7·4	287·6	290·8	3rd	281·6	278·0	18th, 19th	284·6	−1·1	*284·8*	223	+ 94
536	Melilla	35 18	2 59	8	‡1013·7	‡1014·7	− 5·7	289·7	293·4	1st	280·4	278·0	19th	285·0	−1·3	*286·8*	105	+ 12
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

JANUARY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 38	23	1006·2	1009·0	−10·3	285·6	290·2	1st	279·0	275·2	20th	282·3	−1·2	..	63	+20
538	Algiers (Bouzaréah)	36 48	3 2	344	970·1	1011·2	− 9·0	284·8	290·0	26th	279·7	273·9	11th	282·3	−0·3	282·2	131	+31
539	Tunis	36 48	10 10	33	‡1005·3	‡1009·3	− 9·0	286·2	293·6	27th	277·6	273·4	11th	281·9	−1·4	*281·5*	33	−16
539a	Malta	35 53	14 31	56·4	..	1010·2	− 7·8	288·2	291·7	17th	284·1	280·5	12th	286·1	+0·7	*285·7*	85	+10
540	Riposto	37 41	15 14	14·2	..	1010·4	− 8·6	288·0	291·8	1st	282·5	280·8	20th	285·3	+0·7	*284·9*	161	+54
541	Athens	37 58	23 43	107	998·4	1011·4	− 6·6	287·0	289·7	11th	281·3	276·3	23rd	284·1	+3·0	284·2	83	+28
542	Alexandria	31 12	29 53	32·0	1011·4	1015·2	− 3·4	292·9	300·2	29th	284·2	280·7	29th	288·5	+1·2	*288·0*	66	+13
543	Cairo (Helwan)	29 52	31 20	116	1001·9	1015·9	− 2·9	292·7	299·8	29th	282·4	279·2	8th	287·5	+1·3	287·0	13	+ 4
544	Nicosia (P.W.D.)	35 9	33 22	159	995·1	1014·1	− 3·1	287·6	290·2	13th, 19th	?278·8	?274·7	5, 6, 24	?283·2	+1·1	..	85	+19
544a	Beirut	33 54	35 28	33·7	..	1013·8	− 3·4	289·6	295·4	30th	284·7	280·8	5th	287·2	+1·1	*286·9*	284	+97
545	Baghdad	33 21	44 28	38·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546	Busrah	30 31	47 53	7·6	..	..	..	291·6	295·6	4th	279·7	275·0	10th	285·7	+1·7	..	23	− 7
546a	Lenkoran	38 46	48 51	−19·3	1020·4	1018·1	− 4·4	..	284·8	28th	275·5	272·0	27th	..	+1·8	*278·0*	36	−59
547	Teheran	35 41	51 25	1220	..	..	..	282·0	285·8	31st	273·2	268·6	26th	277·6	+3·0	*277·2*	34	− 9
548	Meshed	36 16	59 35	946	..	..	..	285·4	291·6	7th	270·3	266·3	27th	277·8	+4·3	..	13	− 6
549	Seistan	31 0	61 30	?	..	..	..	289·3	293·3	18th	276·0	273·5	6th	282·6	..	..	16	..
550	Quetta	30 11	67 3	1677	835·6	..	+ 0·7	284·6	288·1	9th	270·6	266·2	5th, 6th	277·6	+0·2	*277·2*	54	+ 6
551	Peshawar	34 2	71 37	339	980·2	1021·6	+ 0·4	290·7	295·3	19th	275·8	271·3	9th	283·2	−0·5	*282·1*	18	−24
551a	Lahore	31 34	74 20	214	993·8	1020·1	+ 1·3	293·7	296·1	23rd	277·8	274·8	1st, 8th	285·8	+0·3	*285·0*	3	−24
552	Simla	31 7	77 8	2205	782·6	..	+ 1·8	281·3	284·7	9th	275·3	271·8	30th	278·3	+0·7	*277·9*	18	−49
552a	Leh	34 10	77 42	3503	666·1	..	+ 1·8	274·1	277·7	21st	260·2	255·5	3rd	267·1	+1·1	*266·0*	1	− 8
559	Hankow	30 35	114 17	37·0	1026·6	1031·3	+ 3·1	280·2	287·6	31st	271·4	265·5	4th	275·8	−1·6	*275·5*	9	−30
560	Tientsin	39 10	117 10	5·0	1029·7	1030·3	+ 1·5	272·2	280·0	18th	261·7	255·7	6th	266·9	−1·8	*266·8*	0	− 5
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1029·6	+ 3·1	278·8	286·0	19th	268·4	262·1	8th	273·6	−3·4	272·9	13	−39
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1017·0	1026·0	+ 1·2	269·3	276·4	19th	261·3	253·5	8th	265·3	−4·5	264·9	9	−18
562a	Nagasaki	32 44	129 52	133	1006·3	1023·0	+ 1·1	279·5	284·4	19th	273·4	268·7	8th	276·5	−2·8	276·0	65	−12
563	Kioto	35 1	135 44	42·9	1012·9	1018·3	− 0·6	280·2	285·4	17th	269·8	264·6	9th	275·0	−1·1	274·4	19	−43
564	Tokio	35 41	139 45	21·3	1011·0	1013·6	− 2·7	281·4	286·2	21st	270·5	266·9	31st	276·0	−0·8	275·3	33	−23
565	Kanayama	37 53	140 46	24·6	1009·3	1012·4	− 4·0	278·4	284·4	20th	269·8	264·2	10th	274·1	+0·3	274·0	21	−34
566	Miyako	39 38	141 59	30·4	1007·3	1011·1	− 3·9	278·1	283·2	1st	268·2	260·8	12th	273·1	+0·2	272·5	145	+74
		N.	E.															

JANUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1013·9	1015·2	− 0·7	297·2	299·1	..	291·6	288·0	..	294·4	0·0	*294·2*	213	+113
614	La Paz	24 10	110 20	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	823·7	..	+ 1·9	..	296·4	10th	..	278·5	10th	..	+1·4	*287·9*	7	− 1
616a	Monterry	25 40	100 19	535	956·2	1018·4	..	..	305·6	31st	..	272·4	15th	..	..	*287·9*	3	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	293·5	..	..	274·5	..	..	+2·5	287·2	12	− 5
618	Galveston	29 18	94 50	16·5	1017·9	1020·0	− 0·4	289·4	296·3	29th	283·8	273·0	14th	286·6	+1·7	*286·2*	56	−25
618a	New Orleans	29 58	90 4	16·2	..	1020·0	− 0·4	292·6	299·7	4th	284·3	274·1	14th	288·4	+3·5	*288·2*	105	− 7
619	Merida, Yuc	20 58	89 41	22	1015·5	1018·1	..	..	304·6	3rd	..	289·0	12th	..	..	*‡296·4*	6	..
620	Havana	23 8	82 21	24·3	..	1019·9	+ 1·4	299·2	301·4	5th, 24th	291·7	289·6	9th	295·5	+1·0	*295·3*	3	−72
620a	Key West	24 33	81 48	6·7	1019·1	1020·0	+ 0·8	298·4	300·2	28th	292·6	286·9	12th	295·5	+1·3	*294·7*	4	−47
621	Nassau, Bahamas	25 5	77 21	3·7	..	1019·7	+ 0·1	297·8	300·2	24th	292·8	290·5	10th	295·3	+0·6	*295·2*	18	−37
622	Watling Island	24 6	74 26	33·5	1015·9	1019·8	+ 1·7	..	299·7	9, 18, 30	..	293·0	2nd, 3rd	..	..	*295·3*	..	..
633	Izaña	28 19	16 30	2367	766·0	..	..	279·0	284·1	28th	272·1	269·0	26th	275·6	..	*275·4*	51	..
634	La Laguna	28 28	16 20	547	954·3	1018·1	− 3·7	288·6	291·7	27th	282·9	278·1	9th	285·7	+0·5	*285·2*	112	+ 2
637	Insalah	27 8	W 2 27	?280	..	..	..	294·5	299·0	18th	279·8	275·5	5th	287·2	+1·6	*286·5*	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1003·9	1015·8	− 2·0	297·8	304·6	18th	283·8	280·7	1st	290·8	+1·6	*289·6*	..	..
644	Tor	28 14	33 37	1·9	1014·8	1015·0	− 2·3	294·8	300·0	30th	282·4	279·0	24th, 25th	288·6	+1·1	*288·0*	..	..
647	Bushire	28 59	50 53	4·3	1018·0	1018·6	− 0·1	290·2	294·4	6th	283·9	280·1	9th	287·1	−0·4	*286·9*	114	+46
648	Jask	25 44	57 47	4·0	1017·5	1017·9	+ 0·2	296·7	298·8	25th	288·6	286·1	29th	292·7	+0·1	*292·5*	77	+57
649	Robat	29 45	60 55	?	913·3	..	..	290·4	293·6	20th	277·9	274·7	4th	284·2	..	..	23	..
649a	Karachi	24 53	66 57	4·0	1018·1	1018·6	+ 0·7	298·2	300·3	11th	288·4	287·0	8th	293·3	+0·8	*293·1*	5	−11
650	Hyderabad, Sind	25 24	68 18	29·3	1015·0	1018·4	+ 0·5	298·4	301·4	24th	284·8	282·5	19th, 31st	291·6	+1·2	*291·4*	0	− 6
650a	Jacobabad	28 17	68 29	56·7	1012·2	1019·1	+ 0·6	296·7	298·9	25th	281·7	277·9	7th	289·2	+1·7	*288·5*	1	− 7
651	Jaipur	26 56	75 52	436	968·6	1019·6	+ 1·1	297·4	300·6	15th	282·7	278·2	29th	290·1	+0·8	*289·3*	1	−11
652	Nagpur	21 8	79 5	310	982·0	1018·1	+ 1·1	301·2	303·8	23rd	285·7	282·6	12th	293·4	−0·5	*293·0*	1	− 8
653	Allahabad	25 25	81 51	94·1	1007·7	1019·0	+ 1·3	296·6	300·7	17th	280·8	276·9	9th	288·7	−0·4	*287·8*	6	−15
653a	Darjiling	27 3	88 18	2266	776·5	..	− 0·1	282·0	284·3	10th	274·2	272·2	1st	278·1	+0·3	*277·7*	1	−15
654	Calcutta	22 36	88 23	6·4	1017·0	1017·8	+ 1·0	298·1	301·7	29th	285·4	281·5	6th	291·7	−0·1	*291·4*	0	−10
655	Gauhati	26 8	91 41	59·7	1012·1	1019·2	+ 1·4	296·4	298·7	30th	282·7	279·7	7th	289·6	−0·1	*288·9*	0	−10
655m	Cherrapunji	25 15	91 42	1314	871·1	..	+ 0·7	288·6	291·0	30th	280·1	277·7	1st	284·3	−0·1	*283·6*	0	−10
655a	Akyab	20 11	92 56	6·1	1015·5	1016·1	+ 0·9	299·4	301·9	30th	285·9	283·1	2nd	292·7	−1·6	*292·2*	0	− 2
656	Mandalay	21 59	96 0	76·2	1007·9	1016·9	+ 0·9	302·0	304·9	26th	285·9	282·0	3rd	294·0	−0·3	*293·3*	0	− 1
656a	Tengyueh	24 59	98 35	1633	835·5	..	..	288·3	290·2	29, 30, 31	272·6	270·2	2nd	280·5	..	*280·0*	4	..
657	Phu Lien	20 48	106 37	116	1007·9	1021·9	+ 3·9	291·1	296·4	21st	284·6	278·9	9th	287·8	−3·2	287·1	22	− 5
658	Moncay	21 31	107 51	9	1021·4	1022·5	+ 3·6	291·2	297·2	21st	282·1	276·4	11th, 12th	286·7	−2·9	*286·0*	25	−13
659	Hong Kong	22 18	114 10	33·2	..	1022·1	+ 2·7	288·9	294·2	17th	283·9	276·8	9th	286·4	−2·2	286·2	9	−26
660	Amoy	24 27	118 4	ca.3	1024·3	1024·7	+ 1·9	289·8	299·7	14th	282·9	277·4	10th	286·3	−1·5	*286·0*	28	+ 1
661	Taihoku, Formosa	25 2	121 31	9·3	1022·7	1023·8	+ 2·7	290·0	297·2	20th	283·2	278·8	8th	286·6	−1·9	286·3	79	−14
661a	Santo Domingo	20 28	121 59	18·7	..	1015·9	+ 0·7	295·5	298·9	23rd	291·8	289·6	9th, 11th	293·7	−1·8	*293·5*	386	+150
662	Naha	26 13	127 41	10·5	1021·0	1022·3	+ 2·3	290·1	296·7	13th	282·9	279·1	20th	286·5	−2·7	286·4	61	−75
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·4	1016·9	− 0·7	292·8	296·5	18th	287·0	281·3	8th	289·9	−0·7	290·0	87	−37
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

JANUARY—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 14	103 47	507	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 12	1939	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·1	1016·4	+ 0·9	292·2	294·0	22nd	278·9	275·7	6th	285·6	+0·9	285·6	5	− 4
718	Oaxaca	17 3	96 45	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718a	Salina Cruz	16 12	95 12	56·3	1007·8	1014·3	..	302·0	304·7	23rd	294·9	291·8	14th	298·4	..	*297·9*	0	..
719	San Salvador	13 42	89 12	‡665	939·5	1014·3	+ 2·4	306·4	308·6	24th	286·7	283·5	11th	296·5	−0·4	*294·8*	0	− 2
720	Belize	17 29	88 12	5·2	1016·3	1016·9	+ 1·0	301·4	303·6	10th	?293·6	?290·5	12th	?297·5	+0·6	*?297·0*	138	− 26
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1016·5	+ 1·4	302·2	303·6	20th	292·0	289·0	20th	297·1	−0·5	*295·8*	28	− 6
722	Port au Prince	18 34	72 22	37·4	1013·0	1017·3	+ 1·7	304·2	306·0	29th	292·4	290·7	2, 6, 10	298·3	+0·1	297·0	2	− 29
723	Caracas	10 30	66 55	‡1010	901·6	..	+ 0·8	295·2	298·6	19th	284·9	281·4	1st	290·0	−2·0	*289·3*	15	− 8
724	Montserrat	16 41	62 9	39·6	1013·1	1017·7	+ 1·5	300·3	302·4	25th, 26th	293·2	291·3	5th	296·8	..	*296·3*	100	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	996·0	1014·1	+ 1·0	300·5	302·4	30th	294·3	293·6	sev. dates	297·4	−0·6	*297·0*	95	− 18
725	Barbados	13 8	59 36	55·2	..	1014·9	+ 0·6	300·9	301·6	12th	293·2	290·8	1st	297·1	−0·4	*295·7*	42	− 26
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1015·1	1016·4	+ 1·3	296·0	298·0	1st, 2nd	292·8	291·8	16th	294·4	−0·2	*294·7*	0	− 4
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·9	1015·6	+ 0·5	296·9	299·4	31st	292·9	292·0	29th	294·9	−0·4	*295·0*	0	− 3
733	Bathurst	13 24	16 36	1·5	..	1013·6	+ 1·2	300·7	303·6	3, 9, 12	..	..	..	..	+0·7	*298·0*	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	306·9	310·2	31st	289·1	286·3	3, 14, 17	298·0	−0·5	..	0	− 1
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	..	..	..	287·5	285·8	13, 15, 18	..	..	*‡298·8*	0	0
738	Kaduna Capital	10 32	7 25	637	..	..	..	307·3	309·7	17th, 18th	290·2	280·8	4th	298·7	+2·0	*298·4*	0	0
739	Katagum	12 17	10 22	30·7	..	..	..	308·9	313·0	16th	286·2	282·4	3, 4, 5	297·6	+2·2	*297·3*	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	309·6	313·0	16th	287·5	283·6	2nd	298·6	+2·2	*298·3*	0	0
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	..	..
743	El Obeid	13 11	30 14	569	947·2	1011·7	− 0·9	303·9	309·0	31st	282·8	278·2	3rd	293·3	+0·4	*293·0*	0	0
743a	Khartoum	15 37	32 33	390	967·3	1011·9	− 0·5	303·4	309·9	18th	287·0	281·0	4th	295·2	−0·2	*295·4*	0	0
744	Port Sudan	19 37	37 13	5·9	1012·9	1013·6	− 1·2	300·2	303·0	18th	292·1	288·0	5th	296·1	0·0	*295·9*	0	− 11
745	Berbera, Somaliland	10 22	45 2	9·2	1014·7	1015·9	+ 0·7	302·4	305·8	27th	294·8	290·8	16th	298·6	+0·8	*298·3*	0	− 3
746	Aden	12 45	45 3	28·7	1011·7	1014·8	− 1·4	299·2	301·0	25th	295·8	294·2	15th, 18th	297·5	−0·2	*296·9*	2	− 8
751	Bombay	18 54	72 49	11·3	1014·0	1015·2	0·0	301·8	304·3	18th	293·9	291·5	1st	297·8	+0·8	*297·4*	0	− 2
751a	Cochin	10 58	76 21	2·7	1013·0	1013·3	− 0·1	305·7	307·3	14th	295·2	292·9	26th	300·4	+0·4	*300·0*	1	− 16
752	Kodaikanal	10 14	77 28	2343	771·7	..	− 0·4	288·9	294·8	22nd	280·2	275·8	6th	284·6	−1·3	*284·5*	38	− 44
752a	Bangalore	12 59	77 38	920	913·8	1016·3	+ 0·5	299·7	302·1	24th	286·5	284·4	24th, 25th	293·1	−0·3	*292·4*	1	− 6
753	Madras	13 4	80 14	6·7	1015·4	1016·0	+ 0·7	301·7	302·7	16th	293·5	290·2	25th	297·6	+0·2	*297·2*	13	− 10
754	Waltair	17 45	83 16	68·9	1009·3	1017·3	+ 0·8	300·5	302·6	26th	291·8	290·2	7th	296·2	−0·4	*295·8*	0	− 18
755	Port Blair	11 40	92 40	17·7	1011·7	1013·6	+ 0·2	301·6	303·0	8th, 9th	296·3	293·4	2nd	298·9	−1·3	*298·5*	8	− 18
756	Rangoon	16 46	95 48	5·5	1015·2	1015·6	+ 1·0	303·7	306·2	31st	290·8	289·1	18th	297·3	−0·6	*296·2*	1	− 2
757	Saigon	10 47	106 42	11·2	1010·7	1012·0	+ 0·2	303·4	305·6	27th	293·3	290·1	20th	298·4	−0·8	*297·8*	111	+ 95
758	Nhatrang	12 15	109 12	3·6	1014·5	1014·9	+ 0·6	299·6	302·8	27th	293·5	289·8	20th, 21st	296·5	−1·1	*296·1*	209	+147
759	Bolinao	16 24	119 53	9·7	..	1011·1	− 0·7	304·2	306·5	1st	295·3	292·6	17th	299·7	+0·5	*299·4*	20	+ 9
761	Vigan	17 34	120 23	12·2	..	1011·8	− 0·8	303·8	306·1	24th	294·4	291·8	9th	299·1	+0·7	299·1	0	− 1
761a	Manila	14 35	120 59	14·2	..	1012·1	− 0·3	302·9	305·3	1st	294·2	292·4	31st	298·5	−0·2	297·7	18	− 9
762	Ormoc	11 0	124 36	5·6	..	1010·3	− 0·4	303·8	305·4	2nd	295·1	293·3	31st	299·5	+0·7	298·8	113	− 88
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1009·6	− 0·1	302·0	303·4	30th	296·7	293·6	7th	299·3	+0·2	*299·2*	76	+ 14
		N.	E.															

JANUARY—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	303·6	305·1	19th	295·9	294·8	11th	299·8	−0·1	*299·2*	0	−284
821	Colon	9 23	79 23	11·0	..	1013·1	+ 1·4	301·1	302·4	7th	296·9	294·1	11th	299·0	−0·5	*298·6*	28	− 70
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	102	+ 39
822a	Merida, Venez.	8 36	71 9	1641	‡842·2	..	..	294·6	297·0	24th	286·0	284·0	4th, 5th	290·3	..	*289·4*	76	..
824	El Peru, Guayanavieja	7 30	62 0	220	986·3	1011·5	+ 0·5	300·3	303·4	3rd	292·7	290·7	2nd	296·5	−0·7	*296·0*	101	+ 1
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·3	+ 1·5	300·6	301·3	1, 12, 21	296·4	294·7	6, 9, 10	298·5	−0·6	*298·1*	267	+ 74
826	Paramaribo	5 49	55 9	3·7	..	..	..	301·1	302·7	5th	295·1	292·9	5th	298·1	−0·9	*296·9*	295	+ 71
826a	Cayenne	4 56	52 21	6	..	..	..	302·9	304·4	sev. dates	295·1	293·0	22nd	299·0	−0·2	*298·3*	369	+ 4
833	Conakry	9 31	13 43	16	1008·5	1010·3	− 0·6	..	..	..	296·3	295·3	20th	..	..	..	10	+ 10
834	Freetown, Sierra Leone	8 30	13 9	68·3	1003·2	1011·0	− 0·1	304·8	308·0	26th	296·5	295·2	3, 20, 24	300·7	+0·3	*299·4*	0	− 11
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	71	+ 48
836	Accra	5 33	W 0 12	25·7	..	..	..	302·9	..	..	297·8	..	..	300·3	+0·6	*299·9*	72	+ 54
837	Lagos	6 27	E 3 24	1·8	1009·5	1009·7	− 2·0	304·4	305·3	..	296·9	294·9	..	300·6	+0·4	*300·1*	6	− 22
838	Zungeru	9 48	6 10	130	..	..	..	308·7	310·8	17th, 27th	293·1	288·0	12th	300·9	+1·0	*300·6*	0	− 1
838a	Libreville	0 23	9 26	35	..	..	..	304·9	306·5	23rd, 28th	295·9	294·0	15th	300·4	+0·9	*299·8*	194	− 69
839	Yola	9 12	12 30	259	..	..	..	308·9	310·8	sev. dates	293·6	289·7	2, 5, 10	301·2	+1·5	*300·9*	0	0
841	Wau	7 42	28 3	440	959·4	1009·0	− 0·4	308·7	311·0	sev. dates	289·1	285·5	8th, 9th	298·9	−0·9	*297·6*	0	− 1
843	Mongalla	5 11	31 47	439	..	..	..	306·5	310·0	29th	292·8	290·0	9th	299·7	−1·6	*298·3*	0	− 2
843a	Malakal (Kodok)	9 35	31 37	394	965·8	1010·5	+ 1·5	308·2	312·0	31st	..	..	..	..	..	*296·6*	0	0
844	Entebbe	0 5	32 29	1171	882·8	..	− 0·5	299·9	302·4	10th	290·1	288·7	21st	295·0	−0·2	*294·2*	73	+ 7
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
851	Minicoy	8 17	72 49	2·1	1013·8	1014·0	+ 0·9	..	..	..	..	..	..	..	..	..	48	− 1
852	Colombo Observatory	6 54	79 53	7·3	1010·3	1011·1	+ 0·4	303·2	305·8	3rd	294·1	291·1	4th	298·6	−1·0	*298·2*	110	+ 19
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	292·4	296·0	27th	280·0	272·9	25th	286·2	−0·7	*285·3*	268	+127
854	Trincomalee	8 34	81 14	30·2	1009·1	1012·6	+ 1·0	300·9	303·7	1st, 3rd	296·3	294·2	25th	298·6	−0·3	*298·2*	216	+ 68
855	Kota Radja	5 32	95 20	7·1	..	1010·5	− 0·7	..	..	..	..	..	..	..	..	..	328	+189
856	Medan	3 35	98 41	25·0	..	1010·9	− 0·3	301·5	303·7	6th	294·1	291·1	4th	297·8	..	297·2	314	+184
857	Penang	5 34	100 20	5·0	1009·8	1010·4	− 0·5	304·5	306·9	21st	295·2	294·1	22nd, 29th	299·9	−0·4	*299·3*	..	..
858	Singapore	1 17	103 51	3	1010·1	1010·4	− 0·2	302·0	304·7	3, 6, 7	295·7	294·1	20th	298·8	−0·6	*298·4*	412	+161
859	Sandakan	5 50	118 7	31·7	..	..	..	302·7	304·7	1st	295·9	294·7	15, 16, 17	299·3	−0·3	*298·8*	865	+396
860	Iwahig	9 44	118 38	4·3	..	1008·3	− 1·3	303·5	305·1	18th	294·8	291·8	3rd	299·1	..	*298·7*	116	..
861	Tagbilaran	9 38	123 51	26·2	..	1009·8	− 0·4	303·0	304·4	10th, 25th	295·1	294·0	6th	299·1	−0·5	298·2	118	+ 31
861a	Menado	1 30	124 50	8·5	..	1009·7	0·0	301·6	303·3	14th	295·8	294·8	31st	298·7	..	298·1	591	+124
862	Surigao	9 48	125 29	6	..	1009·9	0·0	302·7	304·8	21st	296·1	294·4	1st, 26th	299·4	+0·1	298·7	739	+326
863	Yap	9 29	138 8	31·9	..	1008·0	− 0·4	305·1	306·7	5th	297·0	294·5	24th	301·1	+0·4	*300·0*	222	+ 65
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

JANUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1011·3	1012·2	+ 2·7	303·5	304·7	4th, 13th	294·1	291·3	17th	298·8	−2·8	*298·1*	1	− 84
924	Manaos	3 8	60 1	44·9	1005·6	1010·8	..	303·9	307·2	29th	295·9	294·0	16th	299·9	−0·8	*298·9*	183	− 33
926	Taperinha	2 30	54 42	20·0	1008·9	1011·2	..	300·8	303·2	31st	294·7	293·6	1st	297·7	..	*296·9*	369	..
927	Turyassu	1 43	45 27	15·0	1008·8	1010·5	0·0	304·4	306·9	1st	294·8	293·4	16th	299·6	−1·0	*298·1*	292	+ 64
928	Barra do Corda	5 31	45 16	81·0	1000·3	1009·7	− 0·3	303·7	305·6	26th	294·3	292·2	8th	299·0	−0·7	*297·7*	263	+ 71
929	Quixeramobim	5 16	39 15	207	987·7	1011·2	+ 0·3	303·1	304·1	11th	297·3	295·2	18th	300·2	−1·7	*299·6*	285	+209
930	Fernando Noronha	3 50	W32 55	95·0	999·4	1010·4	− 0·3	301·3	302·3	10th	297·1	294·8	31st	299·2	..	*298·4*	76	+ 12
939	Loanda	8 49	E 13 13	59·3	..	1010·9	+ 0·5	301·1	302·6	6, 26, 27	296·0	294·7	18th	298·5	+0·6	*298·7*	208	+184
940	Brazzaville	4 17	15 16	290	978·3	1011·1	+ 0·1	304·9	307·0	27th, 31st	293·1	291·0	24th	299·0	0·0	*298·2*	113	− 2
943	Masaka	0 21	31 47	?1280	..	..	..	298·2	299·7	3, 9, 27	287·4	285·8	21st, 22nd	292·8	−0·4	*292·7*	45	− 6
944	Nairobi	1 14	36 44	1800	..	..	..	295·2	298·6	30th	283·0	277·4	9th	289·1	−1·5	*288·4*	160	+116
944*a*	Zanzibar	6 10	39 11	21·9	1010·5	1013·0	0·0	302·9	304·2	30th	299·1	297·3	26th	301·0	−0·2	*300·7*	56	− 30
945	Lamu	2 16	40 50	3·1	..	..	..	302·4	303·0	8th	296·3	295·8	15th	299·4	−0·9	*299·0*	28	+ 27
947	Seychelles, Port Office	4 37	55 27	4·6	1010·4	1010·9	− 0·6	301·2	302·3	28th	298·2	297·0	14th	299·7	+0·1	*299·2*	328	− 83
957	Padang	0 56	100 22	6·7	..	1010·6	− 0·7	303·0	304·6	27th	296·0	294·7	4th	299·5	..	298·7	373	+ 24
958	Batavia	6 11	106 50	8·0	1008·8	1009·7	− 0·2	301·3	303·3	3rd	295·9	294·8	10th, 21st	298·6	−0·4	298·1	451	+135
958*a*	Pontianak	0 1	109 20	2·6	..	1010·1	− 0·4	302·5	303·9	2nd	295·9	293·7	2nd	299·2	..	298·3	259	− 14
959	Passercean	7 38	112 55	5·0	..	1008·7	− 0·1	303·6	305·9	17th	296·1	295·0	7th	299·9	−0·5	298·9	347	+106
960	Kajoemas	7 56	114 9	1060	..	..	..	295·2	297·0	1st	290·8	290·3	7th	293·0	..	292·4	522	+ 68
962	Ambon	3 42	128 10	4·2	..	1008·8	+ 0·5	303·9	305·6	1st	296·9	296·0	9th	300·4	+0·7	299·7	82	− 50
963	Manokwari	0 52	134 20	19·0	..	1008·1	− 0·4	302·5	304·5	29th	295·7	294·5	27th	299·1	..	298·5	209	− 64
965	Daru	9 4	143 13	7·6	..	1008·5	− 0·3	306·2	..	..	..	..	..	..	..	‡*299·9*	455	+ 97
966	Port Moresby	9 29	147 9	39·0	..	1008·3	+ 0·1	304·8	..	..	297·2	..	..	301·0	−0·1	*300·5*	133	− 71
967																		
968	Rendova	8 30	157 12	1·8	1007·9	1008·1	+ 1·0	..	..	..	..	..	..	..	..	..	499	+ 26
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·8	1008·0	+ 1·1	304·3	306·4	11th	297·1	295·3	14th	300·7	−0·2	*300·5*	383	+ 39
970	Ocean Island	0 52 S.	169 35 E.	25·6	1004·4	1007·4	+ 0·2	304·3	305·8	13th	297·1	295·2	2nd	300·7	−0·3	*300·1*	6	−321

JANUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1010·0	+ 2·2	301·3	303·4	18th	296·0	294·4	16th	298·6	−0·4	298·5	642	+196
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	303·9	308·6	20th	292·6	289·1	27th	298·2	..	*298·0*	194	− 82
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·0	..	+ 0·3	290·9	294·0	20th	282·2	279·6	14th	286·5	−1·2	*285·7*	63	+ 32
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	728·0	..	..	290·0	295·6	30th	281·6	279·5	13th	285·8	..	*285·8*	177	+ 16
1025	Corumba	19 0	57 39	116	994·7	1007·8	− 0·7	310·9	312·0	sev. dates	..	..	..	..	..	*302·7*	80	− 86
1026	Cuyaba	15 36	56 6	165	988·8	1007·6	− 0·8	302·3	305·2	20th	296·6	295·0	1st	299·5	−0·7	*299·4*	403	+150
1027	Bello Horizonte	19 55	43 55	857	917·6	1013·0	+ 0·6	298·7	303·0	17th	291·1	288·8	20th	294·9	−0·5	*294·3*	206	−180
1028	Caetite	14 2	42 39	900	914·5	1014·4	+ 0·9	299·4	301·5	7th	290·1	287·9	21st	294·7	−1·1	*295·1*	140	+ 7
1029	Ondina (Bahia)	13 0	38 30	47·0	1006·8	1012·2	+ 0·1	303·7	305·3	21st	295·5	294·2	29th	299·6	0·0	*298·6*	49	− 32
1030	Aracaju	10 55	37 3	4·0	1012·2	1012·6	− 0·2	301·9	303·0	31st	296·7	295·5	19th	299·3	−0·4	*299·5*	63	+ 24
1035	St. Helena	15 57	W 5 40	632	945·5	1016·7	+ 0·6	296·3	300·2	1st, 2nd	287·8	286·3	9, 11, 13	292·1	+1·1	*291·8*	118	+ 41
1042	Gwelo	19 27	E 29 49	1417	859·9	..	− 0·2	301·2	305·8	22nd, 23rd	288·1	285·2	12th, 13th	294·7	+0·5	..	75	− 90
1043	Salisbury, Rhodesia	17 48	31 5	1457	854·8	..	− 0·6	301·2	308·7	28th	287·9	284·6	27th	294·6	+0·7	..	79	−120
1044	Zomba	15 23	35 18	‡945	995·3	1009·5	+ 0·2	300·4	304·1	7th	290·5	288·6	10th	295·4	−0·2	*295·3*	221	− 58
1045	Tananarivo	18 55	47 32	1400	862·4	..	− 0·2	298·0	300·9	21st	288·7	286·7	12th	293·4	−0·5	*292·4*	205	− 80
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·5	1011·2	− 0·3	302·9	303·8	10th	297·1	294·7	6, 14, 24	300·0	−0·4	*299·6*	54	− 80
1056																		
1057	Christmas Island	10 25	105 43	5·5	1006·4	1007·0	− 1·1	303·8	305·8	..	296·5	295·2	..	300·2	−0·2	*299·4*	221	− 29
1058																		
1061	Koepang	10 10	123 34	45·1	..	1008·0	− 0·4	302·2	304·2	13th	296·4	295·1	16th	299·3	..	298·9	589	+195
1061*a*	Derby	17 18	123 40	16·2	1003·8	1005·7	− 1·2	304·7	308·7	13th	297·1	283·1	7th	300·9	−2·4	..	804	+607
1062	Hall's Creek	18 13	127 46	374	965·0	1006·1	− 0·3	306·8	310·8	10th	296·3	292·4	12th	301·6	−1·7	*301·1*	153	+ 7
1063	Port Darwin	12 28	130 51	29·6	1003·0	1006·4	+ 0·5	304·1	307·7	28th	297·4	295·5	14th	300·8	−1·0	*299·8*	474	+ 88
1064	Daly Waters	16 16	133 23	211	980·4	1003·8	− 1·1	307·2	311·3	12th	296·4	293·6	15th	301·8	−1·5	*301·3*	250	+ 24
1065	Mein	13 13	142 47	122	992·4	1006·0	+ 0·4	304·6	308·8	6th	295·7	293·8	11th	300·2	−0·4	*299·6*	354	+ 36
1066	Georgetown, Queensland	18 22	143 32	302	973·5	1007·1	+ 0·5	305·4	309·2	13th	295·4	293·4	9th	300·4	−0·7	..	247	
1067	Samarai	10 37	150 40	15·2	..	1007·4	− 0·4	303·0	..	..	297·3	..	..	300·2	−0·6	*300·0*	348	+208
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	1005·8	1007·7	− 1·2	302·1	305·4	6th	295·6	293·4	11th	298·8	−0·8	*298·6*	460	+188
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

JANUARY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	301·9	303·8	17th	296·2	293·6	4th, 19th	299·0	+0·2	*298·8*	197	− 45
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·0	1015·2	+ 0·7	292·6	295·7	18th	288·2	284·2	4th	290·4	+0·4	*290·1*	0	0
1122	Iquique	20 12	70 11	9	1012·8	1013·8	+ 0·2	297·8	299·6	27th	289·8	286·8	29th	293·8	−0·3	*293·8*	1	+ 1
1123	Catamarca	28 27	65 47	510	..	1005·0	− 0·8	308·1	316·6	20th	294·8	287·0	31st	301·5	+0·7	301·2	103	+ 30
1124	Salta	24 46	65 28	1178	880·5	1007·5	− 1·9	302·3	309·7	22nd	288·7	285·0	16th	295·5	+1·2	296·1	189	+ 44
1125	Goya	29 9	59 15	26	..	1008·7	− 0·3	311·9	318·6	20th	294·3	284·6	7th	303·1	+4·7	303·5	1	−111
1126	Asuncion	25 21	57 37	95	‡998·4	‡1009·2	− 1·7	309·6	314·0	20th	294·6	288·4	8th	302·1	+1·8	301·7	39	−107
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1003·8	1010·9	− 0·2	301·6	308·0	28th	296·0	293·2	..	298·8	−0·3	298·4	106	− 22
1139	Windhoek	22 34	E 17 6	1665	..	..	..	298·5	303·7	18th	289·4	282·1	7th	293·9	−2·6	*293·9*	144	+ 51
1140																		
1141	Kimberley	28 42	24 47	1202	880·3	..	+ 0·3	305·8	310·9	16th	290·4	280·8	8th	298·1	+1·1	297·7	36	− 35
1142	Johannesburg	26 11	28 4	1806	823·0	..	+ 0·4	298·2	304·0	18th	286·3	281·8	8th	292·2	+0·2	*291·7*	115	− 44
1142*a*	Pretoria	25 45	28 12	1338	869·1	..	+ 0·9	301·1	304·8	17th	288·3	284·1	8th	294·7	−0·6	*294·2*	141	− 17
1143	Durban	29 52	31 3	15·2	1012·0	1013·8	..	300·4	304·1	5th	293·2	289·1	9th, 10th	296·8	−0·3	*296·4*	94	− 19
1144	Lorenzo Marques	25 58	32 36	59	..	1012·8	+ 0·6	303·2	313·5	6th	294·3	289·4	8th	298·7	−0·3	298·4	82	− 56
1147	Mauritius	20 6	57 33	55·2	1005·6	1012·0	+ 0·1	302·5	304·0	1st	295·5	294·3	4th	299·0	−0·3	298·7	237	+ 40
1159	Onslow	21 43	114 57	4·3	1002·6	1003·4	− 2·6	307·1	317·9	19th	296·7	292·6	30th	301·9	−1·0	..	71	+ 47
1160	Peak Hill	25 38	118 47	588	938·9	1001·9	− 3·5	309·4	314·2	18th	296·8	292·8	30th	303·1	−0·6	..	87	+ 45
1161	Nullagine	21 53	120 5	386	961·4	1003·4	− 1·9	308·7	314·3	2nd	296·9	292·1	13th	302·8	−2·0	..	251	+171
1162	Laverton	28 40	122 23	466	956·1	1007·1	− 2·5	308·0	315·1	6th	293·1	286·3	12th	300·6	−0·7	*300·3*	21	− 5
1163	Alice Springs	23 38	133 37	587	941·5	1004·9	− 1·2	307·5	311·9	8th	294·8	288·6	25th	301·2	−0·4	*301·2*	25	− 22
1164	William Creek	28 55	136 21	76·2	998·9	1007·5	− 2·1	306·4	314·7	8th	293·7	286·9	13th	300·1	−1·1	*299·7*	61	+ 47
1164*a*	Boulia	22 55	139 38	146	988·8	1004·8	− 0·3	309·2	313·7	10th	293·7	288·7	5th	301·4	−2·4	*301·4*	211	+158
1165	Thargomindah	27 58	143 43	123	991·9	1005·5	..	307·6	315·0	10th	296·2	292·2	3rd	301·9	..	*301·5*	62	+ 14
1166	Mitchell	26 32	147 52	336	..	..	..	306·2	313·6	11th	293·8	289·2	26th	300·0	+0·5	..	104	+ 18
1167	Rockhampton	23 24	150 30	11·3	1006·3	1007·5	− 1·9	304·5	309·6	30th	295·7	292·4	1st	300·1	+0·2	*299·5*	135	− 98
1168	Brisbane	27 28	153 2	11·6	1008·2	1009·5	− 1·9	303·4	310·9	10th	293·6	289·5	1st	298·5	+0·4	*297·7*	230	+ 67
1169	Quitchambo	21 52	166 3	38	1002·5	1006·9	..	303·3	305·4	26th	290·7	287·0	10th	297·0	..	..	279	+109
1170	Norfolk Island	29 5 S.	167 53 E.	15·2	1009·8	1011·2	− 2·4	298·1	300·6	15th	292·6	288·6	11th	295·4	+0·5	*295·0*	23	− 71

Between Latitude 30° S. and 40° S.

JANUARY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	..	..	..	..	..	..	..	..	..	4	− 14
1221*a*	Punta Tumbes	36 37	73 6	91	‡1004·0	‡1015·0	0·0	291·0	293·0	sev. dates	284·2	281·5	1st	287·6	−0·5	*287·6*	1	− 2
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1010·2	1015·1	+ 0·6	295·1	300·0	13th	286·1	283·7	2nd	290·6	−1·0	*290·0*	0	0
1222*a*	Santiago	33 27	70 42	520	953·5	1012·8	+ 0·4	302·3	307·0	20th	285·1	282·6	30th	293·7	0·0	*292·5*	0	− 1
1223	Cordoba	31 25	64 12	423	960·3	1007·7	− 1·5	308·5	318·6	..	291·0	286·3	..	299·7	+3·4	299·6	65	− 41
1224	Bahia Blanca	38 45	62 15	25	..	1009·4	+ 0·2	305·8	314·2	11th	291·5	282·0	6th	298·7	+1·5	297·8	11	− 33
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1011·1	− 0·6	302·9	311·9	18th	290·9	281·9	6th	296·9	+0·4	296·9	139	+ 59
1226	Montevideo (Prado)	34 52	56 12	24·9	1009·4	1012·3	0·0	302·3	315·8	18th	289·4	281·1	7th	295·8	+0·6	295·9	83	+ 12
1226*a*	Porto Alegre	30 2	W51 13	23·5	1009·3	1011·9	+ 0·5	303·5	312·2	19th	291·6	283·4	8th	297·5	−0·5	297·0	35	− 82
1239	Cape Town	33 56	E 18 29	12·2	..	1012·8	− 1·0	300·0	307·0	25th	289·2	284·1	6th	294·6	+0·6	*293·2*	20	+ 3
1240	Danger Point	34 37	19 18	19·5	..	..	..	294·5	297·7	17th	286·2	283·0	10th	290·3	..	..	26	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	302·5	309·7	29th	289·6	283·0	8th	296·0	..	..	22	− 3
1242	East London	33 2	27 53	9·8	1012·4	1013·5	+ 0·6	297·1	300·8	6th, 7th	290·8	285·2	9th	293·9	−0·2	..	63	− 17
1259	Perth (Observatory)	31 57	115 51	60·0	1003·7	1010·9	− 1·6	301·7	311·7	15th	290·3	285·2	11th	296·0	−0·3	*295·5*	1	− 7
1260	Katanning	33 42	117 35	310	977·2	1012·5	− 0·7	301·4	314·2	16th	286·3	281·3	2nd	293·9	−0·9	..	3	− 7
1261	Coolgardie	30 57	121 10	423	962·0	1009·0	− 2·3	305·7	315·4	18th	289·8	283·6	12th	297·8	−0·4	*297·5*	0	− 12
1262	Eucla	31 45	128 58	4·6	1010·5	1011·1	− 2·2	296·2	309·0	5th	289·6	281·5	3rd	292·9	−1·6	*292·2*	12	− 3
1263	Streaky Bay	32 48	134 13	13·1	1011·2	1012·6	− 0·8	300·7	315·2	18th	288·4	283·0	5th	294·6	−0·3	*293·8*	32	+ 21
1264	Adelaide	34 56	138 35	42·7	1006·2	1011·2	− 1·8	302·1	313·1	18th	288·7	284·1	5th	295·4	−1·0	*294·8*	11	− 7
1265	Melbourne	37 49	144 58	35·1	1006·8	1010·8	− 2·1	297·9	310·9	19th	287·2	282·9	13th	292·6	−0·1	291·4	44	− 3
1266	Bourke	30 13	145 58	110	996·8	1009·2	− 0·8	309·6	319·1	8th	294·6	288·6	14th	302·1	−0·3	..	54	+ 16
1267	Sydney	33 52	151 12	44·5	1004·7	1009·9	− 2·6	300·4	309·0	12th	292·6	289·3	27th	296·5	+1·5	*295·8*	78	− 15
1268	Lord Howe Island	31 32	159 4	4·6	1010·2	1010·7	..	299·9	302·2	11th	293·0	288·5	4th	296·4	..	..	126	+ 1
1271	Auckland	36 50	174 50	38·1	..	1012·5	..	296·0	298·6	15th	289·4	285·2	10th	292·7	+0·5	..	88	+ 23
1272	Napier	39 32	176 53	21·3	..	1012·6	+ 1·0	297·8	303·6	15th	288·3	283·8	10th	293·0	+0·9	..	133	+ 65
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° S. and 50° S.

JANUARY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1321	Isla Huafo	43 34	74 45	140	999·2	1016·1	− 0·3	287·0	289·2	30th	282·8	281·0	2nd, 5th	284·9	−0·6	*285·3*	51	− 14
1322	Punta Galera	40 1	73 44	40	1012·0	1016·8	+ 0·5	289·7	293·4	15th	283·0	280·0	8th	286·3	−0·6	*286·4*	62	+ 2
1323	Sarmiento	45 30	69 0	274	..	1004·6	..	299·1	305·0	7th, 8th	284·4	279·0	5th	291·7	−0·3	291·6	0	− 8
1324	Puerto Madryn	42 49	W64 58	14	..	1008·6	..	301·7	311·6	14th	286·7	277·6	6th	294·2	−0·3	292·9	6	− 4
1365	Launceston	41 27	E147 10	9·4	1007·6	1008·7	− 3·1	296·3	301·6	19th	284·8	279·5	30th	290·6	−0·4	*289·5*	25	− 21
1366	Hobart	42 53	147 22	53·9	1001·3	1007·7	− 2·6	293·9	308·4	19th	284·6	280·9	17th	289·2	−0·6	*288·1*	43	− 2
1370	Invercargill	46 25	168 21	5·5	..	..	..	294·5	303·0	29th	283·6	278·6	1st	289·1	+2·2	..	77	− 32
1371	Dunedin	45 52	170 31	91·4	..	1004·3	− 4·9	294·7	303·0	20th	285·2	281·3	15, 17, 18	289·9	+3·0	..	79	− 7
1371*a*	Christchurch	43 31	172 38	7·6	..	1011·7	+ 0·7	295·3	302·3	21st	286·2	277·9	10th	290·7	+1·3	..	49	− 3
1372	Wellington	41 16	174 46	2·4	..	1012·8	+ 0·7	295·6	300·5	31st	287·4	282·8	19th	291·5	+1·6	..	45	− 38
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulae employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

JANUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	996·4	1003·1	+ 1·2	282·7	283·8	14th	279·4	276·5	19th	281·1	−0·7	*281·1*	261	− 58
1422	Puerto de Punta Arenas	53 10	70 54	4	999·4	999·9	+ 0·3	288·5	294·0	1st	278·9	275·2	5th	283·7	−0·4	*283·6*	31	+ 1
1423	Punta Dungeness	52 24	68 26	5	999·6	1000·2	+ 0·1	288·5	293·5	15th	277·4	275·0	22nd	282·9	−0·9	*283·9*	10	− 21
1424	Santa Cruz	52 22	68 21	12	..	1004·7	+ 1·0	295·0	305·2	14th	281·9	274·5	31st	288·5	−0·1	288·0	4	− 9
1424*a*	Año Nuevo	54 39	64 9	50	989·3	995·3	− 1·0	283·6	286·9	14th	277·8	275·2	5th	280·7	+0·4	280·6	57	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	98	+ 27
1426	Cape Pembroke	51 41	57 42	21	..	998·8	− 0·8	285·5	292·4	27th	278·2	274·1	30th	281·8	−0·5	282·1	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	991·8	992·3	− 1·8	282·1	286·8	28th	275·2	272·0	8th	278·7	−0·3	*278·7*	121	+ 46

JANUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	S 60 44	W 44 39	7	983·6	984·5	− 7·0	275·6	280·7	12th	271·9	269·5	6th	273·7	+0·3	273·4	71	+ 31
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JANUARY 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. *Mean Velocity for the Day.	Fanning Island. 805. 9h. Direction and Force.	Fanning Island. 21h. Direction and Force.	Sierra Leone. 834. 9h. Direction and Force.	Sierra Leone. 17h. Direction and Force.	Entebbe. 844. 7h. Direction and Force.	Entebbe. 21h. Direction and Force.	Malden Island. 905. 9h. Direction and Force.	Tulagi. 969. 9h. Direction and Force.	Ocean Island. 970. 9h. Direction and Force.	Ocean Island. 21h. Direction and Force.	Suva, Fiji. 1072. 9h. Direction and Force.
	9h.	m/s	9h.	21h.	9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.
1	SE	2·7	SE 5	E 4	Calm 0	Calm 0	W 3	SW 2	E by S 3	NW 4	E 2	E 3	NE 2
2	SE	2·8	ESE 5	E 5	E 1	NE 1	Calm 0	N 2	E by N 3	NW 2	ENE 2	ENE 2	NW 3
3	SE	4·1	E 4	E 4	Calm 0	E 1	W 3	W 3	E 3	NW 4	NNE 3	NNE 4	Calm 0
4	SE	4·9	SE 5	SE 4	E 1	Calm 0	Calm 0	N 2	E 1	NW 4	E 3	ENE 3	Calm 0
5	SE	7·9	SE 4	SE 3	Calm 0	Calm 0	W 2	Calm 0	E by N 2	N 4	ENE 3	ENE 2	Calm 2
6	SE	10·4	S 4	SSE 4	E 1	Calm 0	W 2	W 3	E by N 2	N 4	NE 2	NE 3	N 1
7	SE	10·7	SE 4	SE 3	E 1	SE 1	W 3	W 2	E by S 3	NW 2	NNE 2	NE 2	E 1
8	SE	9·6	SE 4	E 5	E 1	NE 1	Calm 0	W 2	E by N 3	NW 4	NE 3	ENE 1	SW 0
9	SE	6·4	SE 5	SE 4	SW 1	Calm 0	W 2	SW 3	E by N 3	NW 2	NE 2	ENE 3	Calm 4
10	SE	4·2	SE 5	S 2	Calm 0	Calm 0	E 2	SW 2	E by N 3	NW 2	NE 2	ENE 2	SE 0
11	SE	4·6	S 4	SE 5	E 1	Calm 0	W 2	SW 2	NE 2	NW 2	ENE 2	NE 2	Calm 1
12	SE	4·4	SE 5	SE 4	E 1	E 1	W 3	W 2	E by S 3	NW 2	NNE 3	N 4	SE 3
13	SE	5·0	SE 4	SE 5	E 1	E 1	W 3	N 2	E 4	E 2	ENE 4	NE 3	SE 3
14	SE	6·0	SE 5	SE 4	SE 1	E 1	W 3	SW 3	E 4	Calm 0	E 4	E 4	S 3
15	SE	6·1	SE 5	SE 6	Calm 0	S 1	W 3	N 3	E by N 3	E 2	E 3	E 3	S 3
16	SE	7·0	SE 5	SE 4	W 1	SW 1	W 3	SW 3	E by N 2	E 2	NE 4	ENE 3	NE 3
17	SE	9·6	SE 4	SE 4	SW 1	S 1	W 3	N 3	E by N 2	E 4	ENE 3	NNE 4	E 1
18	SSE	5·6	SE 5	SE 4	W 1	Calm 0	W 3	W 3	E by N 2	Calm 0	ENE 3	ENE 3	NW 1
19	SSE	2·9	SE 4	SE 4	W 1	W 1	SW 3	SW 2	E 3	Calm 0	ENE 3	NE 2	SW 1
20	SE	7·9	SE 5	SE 5	Calm 0	Calm 0	N 2	N 2	E 3	SE 2	E 4	E 5	N 3
21	SE	8·3	SE 5	SE 5	Calm 0	Calm 0	W 3	W 2	E 4	Calm 0	E 5	E 4	SE 1
22	SE	8·1	SE 5	SE 4	Calm 0	Calm 0	W 2	W 3	NE 3	NW 2	E 4	E 5	E 1
23	SE	—	SE 5	SE 4	E 1	E 1	W 3	SW 2	E by N 3	Calm 0	E 4	E 3	N 0
24	SE	—	SE 5	SE 4	E 1	Calm 0	W 2	W 5	E 2	Calm 0	E 4	E 3	Calm 0
25	SE	4·8	SE 5	SE 5	Calm 0	E 1	W 3	SW 2	E 2	E 2	E 4	E 3	Calm 0
26	SE	3·8	SE 5	SE 5	Calm 0	Calm 0	W 3	N 2	E by N 3	SE 2	E 2	E 3	Calm 0
27	SE	2·5	SE 5	SE 4	Calm 0	E 1	W 2	S 2	E 3	SE 2	NE 3	NE 3	Calm 0
28	Calm	2·2	SE 4	SE 4	Calm 0	Calm 0	E 2	SW 3	E by N 3	SE 2	NE 2	NE 3	Calm 0
29	Calm	2·5	SE 5	SE 4	E 1	SE 1	W 3	S 2	E by N 3	SE 2	NE 3	NE 2	Calm 1
30	SE	5·6	SE 5	SE 4	Calm 0	Calm 0	E 5	SW 3	E by N 2	NW 2	NNE 3	NE 3	SW 0
31	SSE	—	ESE 6	ESE 5	Calm 0	Calm 0	E 5	N 2	E 4	E 4	NE 3	ENE 3	Calm 1·2
Mean ..	..	5·7	4·7	4·2	0·5	0·5	2·5	2·4	2·8	2·1	3·0	3·0	
†Resultant	140° (91)	..	135° (94)		105° (26)		270° (57)		85° (98)	10° (23)	65° (89)		105° (12)
†Normal	142° (92)	7·3	105° (75)		22° (9)		265° (35)		71° (78)	322° (14)	88° (27)		89° (51)

* Mean velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JANUARY 1917.

* *Greenland Sea, Iceland and Denmark Strait.*—The coasts of Iceland and Grimsey were free of ice, the normal duration being 4 days with ice visible. Off Angmagsalik, the ice, close at first, began to scatter on the 8th, and there was only a little ice during the latter part of the month.

North Atlantic and Labrador.—Heavy drift ice blocked the mouth of Belle Isle Strait at the end of the month. There was much floe ice off Cape Ray and brash and scattered drift ice across Cabot Strait.

* *Davis Strait.*—The first "Storis" of the season passed Cape Farewell on the 13th. Drift ice was packed close inshore from the 19th, but none reached farther N. than Sagdlit.

**Isforholdene i de Arktiske Have*, 1917, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, FEBRUARY 1917.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF FEBRUARY 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. FEBRUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	256·7	270·8	22nd	248·4	234·7	2nd, 3rd	252·6	..	..	24	..
123	Inglefield Bay	77 20	67 30	?	999·5	..	− 6·3	..	265·6	21st	..	236·1	28th	..	..	*253·3*	3	..
124	Upernivik	72 47	W56 7	18·9	996·3	998·7	−10·5	266·4	282·8	20th	257·3	246·0	25th	261·9	+11·2	*261·0*	20	+ 7
139	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1006·7	1008·3	− 1·1	..	275·0	28th	236·6	227·2	14th	..	−7·8	243·5	33	0
140	Gjesvaer	71 6	25 22	6·5	1000·3	1001·1	− 3·1	..	274·9	27th	262·5	258·2	17th	..	−3·0	*265·6*	90	+ 36
141	Mehavn	71 1	27 47	6·4	1000·4	1001·2	− 0·8	..	275·3	27th	261·2	256·6	7th	..	−2·7	*264·6*	66	+ 7
142	Vardö	70 22	31 8	10·0	1000·8	1002·1	− 3·9	..	273·0	27th	261·0	254·8	17th	..	−3·1	*263·8*	59	− 12
143	Malye Karmakouly	72 23	52 43	14·8	1002·3	1004·3	− 4·0	..	..	..	..	..	..	..	..	..	..	..
147	Waigatz	70 24	58 47	11·2	1004·3	1005·9	− 4·4	..	..	..	242·0	232·9	22nd	..	..	*245·4*	1	..
148		N.	E.															

Between Latitude 70° N. and 60° N. FEBRUARY—ZONE 2.

202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1013·2	+ 1·0	269·1	277·4	13th	261·8	240·8	3rd	265·4	+7·2	..	4	− 21
204	Candle	65 55	161 57	2·4	..	..	..	263·3	274·1	28th	255·2	231·9	2, 3, 5	259·2	..	..	..	..
205	Tanana	65 10	152 6	69·5	..	1019·6	+ 1·7	260·8	270·8	14th	250·9	233·0	5th	255·9	+3·7	*256·0*	47	+ 24
206	Rampart	65 30	150 15	122	..	..	..	259·9	271·3	15th	247·7	226·9	3rd	253·8	..	..	13	− 4
207	Valdez	61 7	146 16	8·2	..	1017·9	+ 7·9	271·6	280·2	23rd	260·4	241·9	3rd	266·0	−0·9	*265·4*	89	− 38
208	Eagle	64 46	141 12	254	..	1022·7	+ 5·2	259·4	274·7	12th	248·4	220·8	1st	253·9	+1·5	..	16	+ 5
209	Dawson	64 4	139 20	328	984·4	1029·2	+ 9·2	253·6	273·0	15th	243·6	222·4	1st	248·6	0·0	..	17	− 1
210	Carcross	60 11	134 34	662	..	..	..	264·4	282·4	16th	250·7	224·7	2nd, 3rd	257·6	0·0	..	4	− 21
211	Fort Good Hope	66 25	128 53	65·2	1017·9	1027·2	..	251·9	267·4	25th	239·1	219·7	1st	245·5	..	..	21	..
212	Fort Simpson	61 52	121 35	129	994·9	1012·7	..	254·1	270·2	28th	241·9	220·8	1st	248·0	+2·7	..	33	+ 19
213	Hay River	60 51	115 20	161	1001·5	1023·9	..	254·1	267·4	13th	241·3	224·7	1st	247·7	−1·5	..	13	..
225	Jacobshavn	69 13	51 2	12·6	995·2	996·8	−11·1	..	..	..	..	..	..	..	..	..	26	+ 19
226	Godthaab	64 11	51 43	9·0	991·2	992·4	− 9·2	271·8	280·3	4th, 19th	266·0	258·6	23rd	268·9	+5·6	*268·7*	11	− 37
227	Ivigtut	61 12	48 10	5·0	994·3	994·9	− 5·7	..	..	..	268·0	258·1	23rd	..	+5·4	*271·0*	78	+ 10
229	Angmagsalik	65 37	37 33	31·7	999·8	1003·8	+ 0·2	270·4	278·5	19th	264·1	255·7	3rd	267·3	+4·7	*267·2*	42	− 1
231	Stykkishoim	65 5	22 46	11·3	1009·0	1010·4	+ 8·5	277·0	281·7	26th	270·5	260·5	4th	273·7	+3·4	*273·7*	80	+ 16
232	Vestmanno	63 3	20 15	7·7	1009·6	1010·6	+ 9·1	278·8	282·1	24th	272·8	266·2	4th	275·8	+2·0	*276·3*	147	+ 33
233	Grimsey	66 33	17 58	22·0	..	..	..	275·1	280·4	28th	270·0	259·6	4th	272·5	+2·3	*272·4*	1	− 17
233*a*	Akureyri	65 40	18 4	6·8	1009·2	1010·1	+ 6·0	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1010·2	1012·4	+ 8·9	276·1	281·6	28th	269·7	259·5	4th	272·9	+1·7	*273·5*	47	− 49
235	Thorshavn	62 3	6 45	25·7	1012·2	1015·4	+10·2	278·1	281·7	26th, 27th	273·4	263·2	4th	275·7	−0·3	*276·2*	76	− 67
236	Lerwick	60 9	W 1 8	18·0	1014·7	1016·9	+ 9·6	278·5	280·8	8, 23, 27	275·2	267·4	5th	276·9	+0·4	*277·0*	60	− 20
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1011·9	1017·5	+ 6·1	..	279·2	9th	270·8	266·2	6th	..	−0·7	*273·4*	115	− 18
238	Christiansund	63 7	7 45	17·8	1011·8	1014·0	+ 5·0	..	280·4	31st	272·2	266·2	3rd	..	+0·2	*274·4*	85	0
239	Trondhjem	63 26	10 25	39·5	1008·3	1013·3	+ 3·4	..	280·3	9th	268·0	254·6	2nd	..	+0·7	*271·1*	104	+ 14
240	Bodö	67 17	14 24	22·4	1003·2	1006·0	− 1·2	..	278·0	28th	265·4	257·2	3rd	..	−0·8	*269·5*	63	− 18
241	Haparanda	65 50	24 9	9·2	1007·1	1008·3	− 3·2	263·7	273·5	9th	253·0	237·5	3rd	258·3	−2·5	*258·5*	29	+ 1
242	Helsingfors	60 10	24 57	11·7	1011·1	1012·6	− 1·6	266·0	277·0	9th	256·7	246·7	3rd	261·3	−4·4	*261·9*	41	+ 4
242*a*	Kuopio	62 54	27 40	90·3	998·2	1010·3	− 3·2	262·3	276·0	9th	252·4	238·0	19th	257·3	−5·7	*257·8*	19	− 17
243	Kola	68 53	33 1	6·7	1002·8	1003·7	− 3·4	260·7	268·2	25th	253·1	243·0	1st	256·9	−4·2	*257·2*	26	+ 10
244	Petrozavodsk	61 47	34 23	38·9	1003·9	1009·1	− 4·7	..	271·6	9th	..	..	..	..	−5·9	*257·3*	..	..
245	Arkhangelsk	64 35	40 36	5·8	1005·4	1006·2	− 4·7	257·5	267·5	25th	249·1	237·2	19th	253·3	−6·3	*254·0*	26	+ 8
246	Mezen	65 50	44 16	12·6	1003·4	1005·1	− 5·8	254·6	263·4	28th	245·7	236·1	18th	250·2	−8·5	*250·9*	12	+ 5
247	Oust-Tsylma	65 25	52 14	? 70	998·2	1007·9	− 8·3	251·3	260·5	10th	243·1	233·6	1st	247·2	−10·3	*247·3*	8	..
248	Tcherdyn	60 24	56 31	?177	989·1	1013·2	− 4·7	254·8	264·2	10th	240·7	236·1	21st	250·8	−8·2	*250·7*	15	− 10
249	Berezov	63 56	65 1	39·9	1006·8	1012·4	− 4·0	250·2	256·2	23rd	240·6	231·9	4th	245·4	−8·8	*245·1*	7	− 3
250	Obdorsk	66 31	66 35	23·7	1008·2	1011·4	− 3·2	245·6	254·0	8th, 11th	237·3	230·9	22nd	241·4	−9·6	*241·1*	6	− 2
251	Sourgout	61 15	73 24	? 40	1009·6	1015·1	− 4·3	..	266·5	17th	245·3	228·6	15th	..	−1·3	*251·9*	23	+ 13
252	Doudinka	69 23	86 4	20	1011·4	1014·1	− 3·8	..	258·2	1st	240·3	230·2	28th	..	..	*245·1*	4	..
253	Touroukhansk	65 47	87 57	45	1013·1	1019·3	− 1·1	..	265·2	13th	243·9	224·8	7th	..	+0·5	*250·1*	17	+ 7
254	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Iakoutsk	62 1	129 43	108	1012·6	1028·3	− 0·3	..	253·8	17th	232·9	224·7	15th	..	+2·9	*239·2*	4	− 1
262	Verkhoïansk	67 33	133 23	100	1009·1	1024·2	+ 1·4	..	246·0	19th	225·2	219·5	24th	..	+1·8	*230·4*	10	+ 7
263	Oust-Maiskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Markovo-sur-Anadyr	64 45	170 50	25·9	1011·6	1015·1	− 3·4	259·5	271·9	24th	252·2	233·4	13th	255·8	+9·8	..	16	+ 10
271	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

FEBRUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	2·4	..	..	..	274·8	276·9	3rd, 23rd	270·8	265·2	5th, 12th	272·8	..	..	129	..
302	St. Paul Island	57 15	170 10	6·1	..	1000·3	− 4·1	273·2	279·7	17th	263·2	249·7	2nd	268·2	..	..	46	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	997·9	− 5·0	276·3	280·2	19th	272·2	267·4	3rd	274·2	+1·4	*274·3*	86	− 71
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Experiment Stn.)	57 48	152 22	47·2	..	..	..	276·2	281·9	23rd	271·3	263·6	1st	273·7	..	..	193	+ 70
309	Sitka	57 3	135 19	27·4	..	1016·6	+ 5·8	277·6	284·7	15th	269·3	253·0	1st	273·4	−1·1	*273·3*	96	− 28
310	Prince Rupert	54 18	130 18	51·8	1007·8	1014·3	+ 5·3	276·3	285·2	7th	270·8	260·2	21st	273·6	−1·4	*273·3*	155	− 47
311	Barkerville	53 2	121 35	1274	867·8	..	..	268·0	277·4	15th	259·1	236·3	1st	263·6	−2·1	*263·4*	64	− 2
312	Kamloops	50 42	120 29	385	977·5	1026·7	+ 4·3	269·7	277·4	16th	261·9	242·4	1st	265·8	−4·1	*265·9*	15	− 5
313	Calgary	51 2	114 2	1045	894·5	..	..	268·0	286·3	15th	255·8	234·1	1st	261·9	−1·4	*261·1*	13	0
314	Fort Chipewyan	58 42	111 10	218	966·5	1026·6	..	252·4	268·0	13th	242·4	221·9	1st	247·4	−4·0	*247·9*	0	− 9
315	Prince Albert	53 10	106 0	442	965·8	1024·3	+ 2·9	259·1	276·3	6th	246·9	230·2	1st, 2nd	253·0	−1·5	*252·6*	3	− 13
316	Qu'Appelle	50 30	103 47	645	939·0	1022·3	+ 3·5	258·0	274·1	7th, 16th	247·4	229·1	2nd	252·7	−3·6	*252·7*	25	+ 5
317	Minnedosa	50 15	99 50	515	954·3	1022·1	+ 0·3	257·4	269·1	14th	246·3	231·3	2nd	251·9	−3·4	*251·3*	40	+ 25
318	Berens River	52 18	97 23	216	..	..	..	257·9	265·2	16th	241·7	234·1	3rd	249·8	−3·0	..	0	− 12
318*a*	Port Nelson	57 4	92 36	14·9	1010·8	1012·8	..	248·6	257·4	11th, 12th	240·8	234·7	19th	244·7	..	..	7	..
319	Fort Hope	51 33	87 49	‡260	978·0	1010·8	..	255·8	263·6	14th	243·6	233·0	16th	249·7	−2·9	*249·4*	..	..
320	Moose Factory	51 14	80 30	9·1	1010·1	1011·4	− 7·2	258·0	266·3	23rd	244·7	231·3	9th	251·3	−2·7	..	17	+ 2
321	Fort George	53 50	79 5	97·5	..	..	..	253·2	260·8	22nd, 23rd	241·0	229·7	16th	247·1	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	257·3	268·0	24th	243·6	228·0	9th	250·5	..	..	38	..
323	Hebron	58 12	62 21	15·0	1002·6	1004·6	− 5·4	..	..	..	251·7	241·8	..	..	..	*254·3*	..	..
324	Natashquan	50 8	61 48	?	..	..	..	263·6	276·9	10th	250·6	242·4	20th, 21st	257·1	..	..	66	..
326	Belle Isle	51 53	55 23	133	986·1	1003·4	− 2·7	265·2	275·8	10th	258·0	248·0	26th	261·6	+0·7	*261·5*	9	− 43
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1018·6	1020·3	+ 7·6	279·8	284·1	20th	275·3	270·2	8th	277·6	−2·2	277·8	81	− 51
335	Aberdeen	57 10	2 6	26·8	1016·4	1019·8	+ 9·5	278·2	284·1	27th	273·6	266·3	6th	275·9	−0·6	275·9	25	− 27
336	Greenwich	51 28	W 0 0	48·5	1015·2	1021·3	+ 5·4	277·6	283·6	17th	272·1	265·2	7th	274·8	−2·6	274·7	21	− 19
337	Uccle	50 48	E 4 22	100	1007·6	1020·4	+ 3·8	274·9	282·7	25th	267·4	256·5	2nd	271·2	−4·2	271·4	18	− 46
338	De Bilt	52 6	5 11	3·0	1020·9	1021·3	+ 5·0	275·3	280·3	27th	267·0	256·5	1st	271·1	−3·5	271·5	6	− 44
338*a*	Hamburg	53 33	9 58	26·0	1018·3	1021·6	+ 6·5	273·3	278·2	27th	268·8	257·2	5th	271·1	−3·1	*271·0*	12	− 32
339	Copenhagen	55 41	12 36	5·0	1019·4	1020·0	+ 6·3	273·3	276·9	14th	268·5	262·0	8th	270·9	−2·1	*271·4*	0	− 27
340	Potsdam	52 23	13 4	84·9	1010·7	1021·7	+ 5·6	272·4	277·9	16th	265·3	249·5	5th	268·9	−5·0	268·5	13	− 26
340*a*	Upsala	59 51	17 38	24·0	1012·2	1015·3	+ 2·1	270·6	279·4	9th	261·3	246·6	2nd	265·9	−1·8	266·6	0	− 24
341	Warsaw	52 13	21 1	*133	1003·2	1020·4	+ 2·9	269·6	274·9	27th	263·1	252·3	6th	266·3	−4·0	266·5	13	− 14
342	Jurjev	58 23	26 43	74·5	1004·2	1014·1	0·0	264·5	275·1	27th	255·8	243·3	4th	260·2	−6·3	260·1	19	− 5
343	Petrograd	59 56	30 16	4·8	1011·1	1011·7	− 3·1	262·7	275·0	9th	254·0	244·1	8th	258·4	−6·1	*258·4*	27	+ 4
344	Kiev	50 27	30 30	183	994·6	1018·5	− 0·5	266·1	274·7	11th	257·9	250·0	20th	262·0	−5·6	*261·9*	30	+ 4
344*a*	Moscow	55 50	37 33	167	991·2	1013·6	− 5·0	259·9	271·8	10th	249·4	237·5	4th	254·6	−8·0	*255·1*	14	− 13
345	Saratov	51 32	46 3	59·9	1006·4	1014·5	− 7·5	..	273·7	8th	..	..	..	..	−6·5	*257·2*	41	+ 18
346	Kazan	55 47	49 8	79·9	1003·4	1014·3	− 5·9	258·1	269·9	11th	250·0	240·7	1st	254·0	−6·4	*254·0*	35	+ 20
347	Orenburg	51 45	55 6	109	1004·6	1019·4	− 4·6	259·1	272·3	12th	249·5	236·2	1st, 28th	254·3	−4·5	*254·4*	13	− 9
348	Perm	58 1	56 16	163	992·3	1014·2	− 5·3	258·9	268·7	11th, 12th	249·5	238·8	6th	254·2	−6·3	*253·6*	29	− 1
349	Ekaterinburg	56 49	60 38	281	978·0	1015·2	− 6·7	259·6	269·3	12th	250·7	239·6	6th	255·2	−3·7	*255·0*	20	+ 12
350	Tobolsk	58 12	68 14	?108	1002·8	1017·5	− 5·7	258·8	270·7	12th	249·9	239·7	22nd	254·4	−2·9	*254·4*	17	+ 3
351	Akmolinsk	51 12	71 23	?347	979·8	1025·8	− 2·4	..	273·1	18th	249·7	234·2	28th	..	−0·2	*255·8*	5	+ 8
352	Omsk	54 58	73 23	87·9	1009·9	1021·9	− 4·0	..	269·2	11th	250·2	239·9	22nd	..	−0·1	*255·2*	14	+ 4
353	Barnaoul	53 20	83 48	162	1007·1	1029·0	− 1·4	263·7	277·1	19th	249·6	232·0	19th	256·6	+0·9	*256·6*	18	+ 5
354	Tomsk	56 30	84 58	122	1009·8	1026·3	− 1·1	..	274·6	19th	251·2	235·4	9th	..	+0·7	*256·7*	25	+ 4
355	Minousinsk	53 43	91 41	249	997·5	1031·4	+ 0·2	..	276·1	20th	245·3	231·1	9th	..	..	*252·4*	6	+ 2
356	Eniseisk	58 27	92 10	77·6	1016·7	1027·3	− 0·6	..	275·0	19th	249·0	228·4	9th	..	+1·9	*256·3*	5	− 9
357	Irkutsk	52 16	104 19	467	972·0	1033·8	+ 1·6	..	271·3	22nd	248·9	237·8	5th	..	−0·2	*255·1*	6	− 3
358	Kirensk	57 47	108 7	263	996·8	1032·7	+ 2·0	..	271·8	20th	244·1	233·4	10th	..	+1·6	*251·8*	11	− 1
359	Tchita	52 2	113 30	687	942·6	1032·9	+ 1·3	..	271·2	21st	245·0	238·3	5th	..	+1·8	*252·1*	0	− 2
360	Blagoveshchensk Priisk	58 10	114 19	490	967·6	1034·1	+ 3·7	..	265·2	21st	242·4	234·0	10th	..	..	*248·7*	18	..
360*a*	Nertchinskii Zavod	51 19	119 37	626	948·3	1031·1	0·0	..	270·3	28th	245·9	237·5	4th	..	+2·0	*251·0*	2	0
361	Tygan Ourkan	54 5	124 46	379	975·4	1025·6	..	262·4	272·7	23rd	248·1	236·4	13th	255·2	..	*255·4*	1	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	1003·4	1022·5	− 1·4	262·3	270·0	24th	251·4	242·4	13th	256·8	+2·3	*256·5*	0	− 1
363	Paikanskii Sklad	50 11	130 7	145	1001·2	1021·2	..	260·4	270·2	17th	241·1	232·9	12th, 27th	250·7	..	*249·9*	1	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1013·8	1017·1	− 0·4	..	265·6	3rd	246·0	233·5	13th	..	−0·8	*252·0*	3	− 0
366	Okhotsk	59 21	143 12	6·0	1011·5	1012·3	− 6·5	259·7	271·9	1st	252·0	239·9	14th	255·8	+4·2	*255·8*	2	0
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	997·5	999·2	− 4·5	268·4	279·9	23rd	259·3	245·8	14th	263·8	..	*264·1*	37	..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

FEBRUARY—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·5	1018·3	+ 2·4	278·0	281·3	4, 10, 12	274·1	267·4	23rd	276·1	−1·2	275·8	54	− 36
412	Portland, Oregon	45 32	122 41	46·6	1013·7	1019·3	+ 1·3	281·0	289·1	3rd	275·6	271·9	23rd	278·3	0·0	*278·2*	84	− 56
413	Macleod	49 44	113 24	953	..	..	..	266·4	284·1	2nd	254·3	233·6	1st	260·4	−5·1	*260·4*	25	+ 11
414	Helena	46 34	112 4	1253	873·0	1021·0	+ 1·1	270·3	282·4	16th	259·7	244·7	1st	265·0	−2·1	*265·3*	42	+ 25
414*a*	Salt Lake City	40 46	111 54	1329	869·3	1021·3	+ 2·6	275·1	285·8	25th	267·1	256·3	1st	271·1	−1·8	*271·7*	31	− 6
415	Cheyenne	41 8	104 48	1856	809·8	1017·9	+ 0·5	275·6	285·2	25th	265·1	253·0	1st	270·3	+0·9	*270·7*	20	+ 6
416	North Platte	41 8	100 45	859	918·1	1021·3	+ 1·9	277·5	295·8	25th	262·7	245·2	1st	270·1	+0·9	*269·8*	9	− 4
416*a*	Bismarck	46 47	100 38	511	959·0	1024·0	+ 2·9	261·5	280·8	16th	250·9	233·6	2nd	256·2	−2·7	*257·1*	11	− 1
417	Winnipeg	49 53	97 7	232	990·8	1022·3	+ 0·5	256·9	270·8	7th	246·9	236·3	2nd	251·9	−3·0	*251·3*	22	+ 1
418	Duluth	46 47	92 6	345	974·3	1018·6	− 0·4	261·6	275·2	17th	250·8	241·3	2nd	256·2	−5·0	*255·5*	21	− 2
419	Port Arthur	48 27	89 12	196	990·2	1016·3	− 2·7	261·9	270·2	7th, 15th	250·2	240·8	11th	256·1	−3·1	*255·5*	20	+ 2
420	Chicago	41 53	87 37	251	987·1	1018·6	− 0·2	270·9	283·0	25th	261·5	249·7	2nd	266·2	−3·3	*266·6*	17	− 38
421	Toronto	43 40	79 24	116	1000·0	1015·1	− 3·0	269·1	280·2	17th, 26th	260·2	249·1	12th	264·7	−2·6	264·4	23	− 43
422	New York (Central Park)	40 46	73 58	30·2	1010·6	1014·4	− 3·3	275·2	285·8	27th	266·7	255·2	13th	270·9	−1·0	271·2	53	− 38
423	St. John, N.B.	45 17	66 4	36·2	1004·5	1009·2	− 4·8	269·7	278·6	9th	259·1	245·8	3rd	264·4	−1·9	264·1	87	− 12
424	S.W. Point, Anticosti	49 24	63 33	9·1	1005·4	1006·6	− 3·3	264·7	275·2	10th	255·8	247·4	25th	260·2	−2·9	*260·3*	51	+ 10
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1010·2	1011·2	− 1·3	273·6	280·8	10th	267·4	262·4	3, 13, 26	270·5	−0·7	*270·2*	100	− 21
425	Port aux Basques	47 35	59 10	9·1	1006·1	1007·3	− 2·9	268·6	276·9	10th	260·2	252·4	3rd, 4th	264·4	−1·0	*264·1*	80	− 14
426	St. John's, Newfoundland	47 34	52 42	38·1	998·6	1003·4	− 5·0	270·2	277·4	5, 9, 10	264·1	253·0	26th	267·2	−1·0	*267·7*	211	+ 82
435	Madrid	40 24	3 41	655	938·3	1016·0	− 4·4	283·5	287·6	19th	273·9	265·4	7th	278·7	−1·0	278·2	90	+ 58
436	Nantes	47 15	W 1 34	36·5	1013·6	1018·2	− 0·1	279·2	287·1	16th	271·4	262·2	3rd	275·3	−3·5	275·0	21	− 34
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·7	1020·1	+ 1·7	277·1	285·0	16th	268·0	257·6	4th	272·6	−4·5	272·1	26	− 7
438	Marseilles	43 18	5 23	74·8	1005·1	1014·4	− 2·0	284·6	288·6	17th	274·9	266·2	1st	279·7	−1·0	279·4	54	+ 13
438*a*	Zürich	47 23	8 33	493	959·7	1020·7	+ 0·3	275·5	284·5	17th	267·8	260·1	2nd	271·6	−2·8	271·0	13	− 43
439	Rome	41 54	12 27	45	1009·0	1014·3	− 2·2	284·5	288·1	20th	267·7	272·0	2nd	280·6	−0·9	*280·2*	112	+ 48
440	Vienna	48 15	16 22	203	995·4	1021·3	+ 2·3	271·9	279·2	25th	266·2	256·6	9th	269·1	−3·8	269·2	19	− 14
440*a*	Buda-Pesth	47 31	19 1	130	1004·4	1021·0	+ 1·9	273·5	281·2	27th	264·8	254·0	9th	269·1	−4·3	*268·7*	22	− 8
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1010·1	1020·8	+ 0·5	271·7	277·2	17th	262·1	253·3	9th	266·9	−5·8	266·6	32	+ 5
443	Odessa (University)	46 29	30 44	65·3	1011·2	1019·8	+ 0·4	270·2	275·5	28th	262·4	254·2	24th	266·3	−4·0	*266·6*	44	+ 23
444	Kharkov (University)	50 0	36 14	140	998·3	1016·8	− 3·9	264·4	273·3	11th	253·8	239·7	20th	259·1	−8·1	*259·1*	34	+ 8
444*a*	Novorossiisk	44 44	37 49	37·1	1013·4	1018·1	− 0·2	277·2	285·6	7th	267·9	257·1	25th	272·6	−3·4	*272·8*	61	− 8
445	Tiflis	41 43	44 48	404	969·9	1019·4	− 2·4	280·6	287·3	3rd	271·1	263·2	26th	275·8	+0·3	*275·3*	3	− 16
446	Astrakhan	46 21	48 2	−13·8	1021·1	1019·3	− 3·1	270·5	279·4	8th	262·2	251·6	20th	266·4	−0·6	*266·2*	10	+ 1
448	Fort Alexandrovsk	44 30	50 16	24	1015·2	1018·2	− 3·8	..	280·8	8th	266·0	255·2	26th	..	−0·1	*269·6*	4	− 4
	Krasnovodsk	40 0	52 59	−14·6	1020·0	1018·2	− 3·4	281·6	286·4	16th	274·8	267·1	26th	278·2	+0·6	*277·9*	5	− 10
449	Aralskoe More	46 47	61 42	57·0	1015·4	1023·0	− 3·4	266·9	276·1	24th	258·4	246·9	2nd, 21st	262·6	+3·8	*263·1*	16	..
450	Tachkent	41 20	69 18	479	961·6	1019·4	− 4·8	285·1	293·9	16th	274·2	262·6	27th	279·6	+4·5	*278·8*	61	+ 31
451	Narynskoe	41 26	76 0	?2015	794·8	..	..	..	273·0	21st	257·8	251·1	25th	..	+4·9	*263·2*	4	..
452	Vernyi	43 16	76 53	?825	920·0	1019·1	− 8·5	277·6	283·7	18th	268·1	259·1	28th	272·8	..	*272·0*	55	..
461	Mukden	41 48	123 13	43·8	1018·7	1024·5	− 1·9	270·9	284·2	23rd	256·9	248·6	3rd	263·9	−0·1	263·2	2	− 4
462	Joshin	40 40	129 11	4·0	1017·8	1018·3	− 1·8	273·9	278·6	23rd	263·2	256·6	28th	268·5	−0·3	268·2	36	+ 20
463	Yuki	42 20	130 24	65·6	1010·4	1019·0	..	270·8	279·0	15th	263·6	258·2	1st	267·2	..	267·0	9	..
464	Vladivostok	43 7	131 55	128	1002·2	1019·1	− 2·7	265·9	275·7	17th	258·2	250·6	28th	262·0	−1·1	261·9	17	+ 8
465	Ochiai	47 20	142 44	6·6	1012·0	1012·9	− 0·3	265·0	272·4	4th	248·3	233·0	28th	256·7	−2·1	258·0	45	+ 5
466	Nemuro	43 20	145 35	26·7	1005·7	1009·1	− 3·6	270·2	276·3	19th	263·3	255·6	12th	266·8	−0·5	267·1	39	+ 12
466*a*	Syana	45 14 N.	147 53 E.	39·3	1002·6	1007·6	− 3·8	270·0	274·7	19th	264·7	254·9	28th	267·3	+1·2	267·3	35	− 15

Between Latitude 40° N. and 30° N.

FEBRUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1013·6	1019·3	+ 0·2	288·2	295·8	15th	280·1	275·8	1st	284·1	−0·2	*283·5*	97	+ 6
512	San Luis Obispo	35 18	120 39	61·3	1013·9	1021·3	+ 2·3	289·7	299·7	4th	278·4	272·4	18th	284·1	−0·9	*283·9*	178	+ 80
513	San Diego	32 43	117 10	26·5	1017·3	1020·6	+ 3·0	289·8	296·9	3rd	281·4	278·0	7th	285·6	−0·5	*285·1*	47	− 5
514	Modena	37 48	113 54	1670	834·4	1020·6	+ 3·2	275·7	282·4	25th	263·8	251·3	1st	269·8	−2·7	*270·0*	21	− 7
515	Santa Fé	35 41	105 57	2138	785·8	1017·9	+ 2·0	279·0	286·9	25th	267·9	258·6	2nd	273·4	+0·2	*273·2*	6	− 13
516	Denver	39 45	105 0	1613	835·4	1017·3	+ 1·1	280·3	291·3	25th	268·7	255·2	1st	274·5	+2·2	*274·7*	12	− 1
517	Abilene	32 23	99 40	530	957·1	1019·3	+ 1·0	290·4	305·8	25th	275·4	261·9	1st	282·9	+1·7	*281·8*	25	0
518	Saint Louis	38 38	90 12	173	998·5	1020·0	+ 0·3	278·1	293·0	25th	266·1	249·7	2nd	272·1	−1·6	*272·2*	9	− 61
519	Mobile	30 41	88 2	17·4	1019·1	1021·3	+ 1·7	290·3	298·6	20th	280·7	265·8	3rd	285·5	+0·7	*285·5*	126	− 9
520	Nashville	36 10	86 47	166	1000·5	1021·0	+ 0·8	283·2	299·1	26th	271·4	255·8	2nd	277·3	−1·0	*277·1*	70	− 40
521	Charleston	32 47	79 56	14·6	1018·5	1020·3	+ 0·2	288·7	298·6	28th	278·2	261·9	3rd	283·4	−0·7	*283·2*	53	− 31
522	Washington	38 54	77 3	34·1	1012·4	1016·6	− 3·0	278·6	291·9	26th	268·3	256·3	13th	273·4	−0·8	*273·6*	50	− 34
523	Bermuda	32 18	64 46	46·0	1013·7	1019·2	+ 0·9	291·7	294·4	28th	285·9	280·2	4th	288·8	−1·0	*288·7*	65	− 45
524																		
530	Santa Cruz (Flores)	39 27	31 9	28	1014·9	1017·9	− 3·2	288·8	291·0	4th	280·7	277·4	13th	284·7	−1·8	*284·8*	158	− 22
531	Horta	38 32	28 38	65	1010·5	1017·7	− 1·2	290·0	292·3	27th	285·2	281·4	14th	287·6	−0·6	286·7	104	+ 2
532	Ponta Delgada	37 44	25 40	22	1016·2	1018·1	− 1·9	288·2	290·2	27th	284·6	281·5	14th	286·4	−0·6	286·5	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	143	+ 5
533	Madeira (Funchal)	32 37	16 54	25	1014·7	1017·7	− 3·1	289·0	290·9	16th	285·1	281·5	7th	287·1	−1·4	*286·7*	175	+ 96
534																		
535	Lisbon	38 43	9 9	95	1002·8	1014·4	− 5·5	286·2	289·3	28th	283·0	275·9	7th	284·6	−0·7	*283·4*	146	+ 59
536	Gibraltar	36 6	5 21	16·2	1013·2	1015·2	− 4·8	288·4	293·0	17th	282·2	276·9	7th, 8th	285·3	−1·0	*285·4*	202	+ 95
536*a*	Melilla	35 18 N.	2 59 W.	8	‡1014·1	‡1015·1	− 5·2	290·2	295·6	13th	282·2	277·8	8th	286·2	−0·4	*288·1*	125	+ 57
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

FEBRUARY—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 38	23	1011·0	1013·8	− 3·9	286·8	289·8	14th	279·9	277·0	8th	283·3	−1·0	..	40	+ 5
538	Algiers (Bouzaréah)	36 48	3 2	344	973·5	1014·4	− 4·1	286·4	293·0	14th	281·0	276·0	7th	283·7	+0·1	283·3	88	+ 26
539	Tunis	36 48	10 10	33	‡1010·2	‡1014·2	− 1·9	289·9	301·5	8th, 14th	281·0	275·4	26th	285·5	+1·7	*284·8*	70	+ 18
539a	Malta	35 53	14 31	56·4	..	1013·9	− 3·1	288·1	291·0	7th	283·7	279·3	2nd	285·9	+0·5	*285·4*	62	+ 11
540	Riposto	37 41	15 14	14·2	..	1015·2	− 1·9	287·1	289·8	7th	281·9	279·8	2nd	284·5	−0·5	*284·1*	120	+ 38
541	Athens	37 58	23 43	107	1002·6	1015·7	− 0·9	285·8	290·5	8th	279·1	273·8	11th	282·5	+0·3	282·3	56	+ 18
542	Alexandria	31 12	29 53	32·0	1012·7	1016·5	− 0·9	293·0	296·9	1st, 6th	284·6	281·7	12th	288·8	+1·0	*288·5*	39	+ 15
543	Cairo (Helwan)	29 52	31 20	116	1002·3	1016·2	− 0·7	294·0	300·7	8th	282·8	280·1	19th	288·4	+0·7	287·9	16	+ 11
544	Nicosia (P.W.D.)	35 9	33 22	159	995·9	1014·9	− 0·9	288·5	292·4	9th	278·7	275·2	27th	283·6	+0·3	..	35	− 8
544a	Beirut	33 54	35 28	33·7	..	1014·9	− 0·7	290·5	294·6	8th	285·3	282·1	17th	287·9	+1·0	*287·6*	184	+ 32
545	Baghdad	33 21	44 28	38·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546	Busrah	30 31	47 53	7·6	1016·7	1017·9	− 2·5	294·0	300·2	26th	281·9	276·2	21st	287·9	+0·9	..	23	− 4
546a	Lenkoran	38 46	48 51	−19·3	1021·2	1018·9	− 2·7	..	285·8	12th	274·9	270·5	27th	..	+0·1	*277·6*	55	− 15
547	Teheran	35 41	51 25	1220	..	..	..	284·3	288·8	25th	274·5	267·6	28th	279·4	+1·2	*279·3*	16	− 10
548	Meshed	36 16	59 35	946	..	..	..	285·4	294·3	26th	272·4	267·4	27th	278·9	+2·8	..	26	+ 2
549	Seistan	31 0	61 30	?	..	..	..	294·0	301·4	16th	277·0	271·9	24th	285·5	..	..	0	..
550	Quetta	30 11	67 3	1677	833·5	..	− 0·6	289·4	295·8	15th	271·9	267·5	24th	280·7	+2·1	*280·6*	2	− 49
551	Peshawar	34 2	71 37	339	976·1	1016·7	− 2·4	295·9	299·6	15th	279·4	276·0	1st, 3rd	287·6	+2·4	*287·0*	1	− 32
551a	Lahore	31 34	74 20	214	989·0	1014·7	− 1·9	298·2	302·3	18th	280·9	276·1	1st	289·6	+2·1	*289·1*	0	− 25
552	Simla	31 7	77 8	2205	780·2	..	+ 0·2	282·1	287·6	18th	275·9	272·2	4th	279·0	+1·2	*278·9*	44	− 40
552a	Leh	34 10	77 42	3503	664·0	..	+ 0·5	277·4	284·8	17th	262·9	258·7	2nd	270·2	+3·2	*269·2*	2	− 7
559	Hankow	30 35	114 17	37·0	1020·3	1024·9	− 0·6	283·6	292·0	17th	275·3	270·0	8th	279·5	+0·9	*279·2*	30	− 7
560	Tientsin	39 10	117 10	5·0	1025·4	1026·0	− 0·4	276·5	287·8	23rd	265·2	260·7	4th	270·9	−0·8	*270·5*	1	− 2
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1024·1	− 0·8	283·1	293·8	17th	272·1	266·0	5th	277·6	−0·6	276·5	19	− 39
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1012·8	1021·6	− 1·5	273·8	283·0	26th	266·4	260·0	3rd	270·1	−1·7	269·5	5	− 15
562a	Nagasaki	32 44	129 52	133	1002·5	1019·0	− 1·7	281·5	291·3	25th	274·7	272·0	14th	278·1	−1·2	277·6	39	− 44
563	Kioto	35 1	135 44	42·9	1010·2	1015·6	− 3·0	282·4	290·7	25th	270·3	266·7	4th	276·4	0·0	275·7	37	− 24
564	Tokio	35 41	139 45	21·3	1009·0	1011·6	− 4·5	283·4	290·8	18th	272·3	267·8	3rd	277·8	+0·8	277·5	16	− 51
565	Kanayama	37 53	140 46	24·6	1008·0	1011·1	− 4·5	279·0	284·3	18th	270·3	265·0	10th	274·7	+0·6	274·6	31	− 30
566	Miyako	39 38 N.	141 59 E.	30·4	1006·3	1010·1	− 4·5	280·0	285·9	18th	269·2	264·7	23rd	274·6	+1·1	273·6	35	− 31

FEBRUARY—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1016·0	1017·3	− 0·1	296·9	298·6	..	291·5	288·0	..	294·2	−0·4	*294·2*	52	− 52
614	La Paz	24 10	110 20	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	824·2	..	+ 3·0	..	300·2	26th	..	276·8	3rd	..	+1·1	*289·1*	0	− 8
616a	Monterry	25 40	100 19	535	956·7	1018·1	..	..	309·2	26th	..	271·4	2nd	..	..	*292·0*	1	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	296·0	..	..	274·0	..	..	+2·0	288·2	0	− 8
618	Galveston	29 18	94 50	16·5	1018·7	1020·6	+ 1·8	290·5	295·8	26th	283·5	269·7	2nd	287·0	+0·5	*286·6*	64	− 9
618a	New Orleans	29 58	90 4	16·2	..	1021·0	+ 2·0	293·1	301·3	20th	282·8	269·7	3rd	287·9	+0·9	*287·4*	81	− 31
619	Merida, Yuc	20 58	89 41	22	1016·3	1018·9	..	..	304·8	28th	..	286·7	8th	..	..	‡*296·2*	1	..
620	Havana	23 8	82 21	24·3	..	1021·1	+ 3·2	298·0	302·9	19th	290·3	284·1	3rd	294·1	−0·6	*294·0*	50	+ 2
620a	Key West	24 33	81 48	6·7	1020·3	1021·0	+ 2·4	296·9	300·8	1st	290·4	279·7	3rd	293·7	−1·6	*293·0*	20	− 19
621	Nassau, Bahamas	25 5	77 21	3·7	..	1020·3	+ 1·3	297·2	299·7	18th, 24th	291·5	285·2	3rd	294·3	−0·6	*294·2*	11	− 30
622	Watling Island	24 6	74 26	33·5	1016·3	1020·2	+ 1·9	..	300·2	16th	..	289·1	3rd	..	..	*295·6*	..	..
633	Izaña	28 19	16 30	2367	764·3	..	..	277·6	283·5	21st	271·6	266·9	7th, 9th	274·6	..	*274·2*	95	..
634	La Laguna	28 28	16 20	547	952·9	1016·9	− 3·7	289·1	293·3	19th	281·6	277·6	10th, 22nd	285·4	−0·3	*284·8*	111	+ 36
637	Insalah	27 8	W 2 27	?280	..	..	..	296·4	301·4	20th	280·0	273·5	15th	288·2	0·0	*288·1*	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1002·6	1014·4	− 2·1	299·4	305·0	9th	284·8	281·5	4th	292·1	+0·9	*290·9*	..	..
644	Tor	28 14	33 37	1·9	1014·3	1014·5	− 1·5	294·8	299·0	8th	282·9	280·5	4th, 21st	288·9	+0·6	*288·7*	..	..
647	Bushire	28 59	50 53	4·3	1015·0	1015·7	− 1·0	292·5	296·0	13th	285·3	282·7	10th	288·9	+0·8	*288·6*	37	− 15
648	Jask	25 44	57 47	4·0	1014·8	1015·3	− 0·9	298·2	301·4	28th	289·2	285·8	9th	293·7	+0·5	*293·4*	14	− 8
649	Robat	29 45	60 55	?	909·8	..	..	295·3	300·8	19th	280·8	276·6	23rd	288·1	..	..	4	..
649a	Karachi	24 53	66 57	4·0	1014·2	1014·6	− 1·7	299·6	303·6	23rd	290·7	286·8	2nd	295·2	+1·1	*294·9*	0	− 10
650	Hyderabad, Sind	25 24	68 18	29·3	1010·5	1013·9	− 2·2	302·9	308·5	18th, 21st	286·7	281·9	1st	294·8	+2·2	*294·5*	0	− 7
650a	Jacobabad	28 17	68 29	56·7	1007·3	1014·1	− 2·2	302·5	306·9	20th, 21st	283·8	278·8	2nd	293·2	+2·9	*292·8*	1	− 8
651	Jaipur	26 56	75 52	436	964·8	1015·3	− 1·3	299·5	305·5	21st	283·7	279·1	6th	291·6	+0·3	*291·2*	9	+ 3
652	Nagpur	21 8	79 5	310	978·7	1014·5	− 0·7	302·1	307·1	22nd	287·6	282·9	7th	294·8	−1·6	*294·6*	78	+ 67
653	Allahabad	25 25	81 51	94·1	1003·1	1014·3	− 1·4	298·9	306·1	22nd	284·5	281·4	2nd	291·7	+0·1	*291·1*	58	+ 45
653a	Darjiling	27 3	88 18	2266	774·1	..	− 1·5	282·8	286·0	23rd	275·4	273·5	5, 13, 28	279·1	+0·6	*279·0*	35	+ 10
654	Calcutta	22 36	88 23	6·4	1012·9	1013·6	− 1·3	300·5	305·3	20th	289·7	285·0	8th	295·1	+0·5	*294·8*	29	0
655	Gauhati	26 8	91 41	59·7	1008·6	1015·6	− 0·7	297·6	300·7	18th	286·0	282·5	28th	291·8	+0·6	*290·9*	42	+ 18
655m	Cherrapunji	25 15	91 42	1314	868·8	..	− 1·1	288·7	290·6	22nd	281·7	278·2	7th	285·2	−0·1	*284·5*	137	+ 69
655a	Akyab	20 11	92 56	6·1	1012·9	1013·5	− 0·6	300·9	303·4	23rd	287·9	284·9	8th	294·4	−1·3	*294·2*	13	+ 10
656	Mandalay	21 59	96 0	76·2	1004·6	1013·5	− 0·5	304·3	308·3	25th	288·6	284·5	15th	296·4	−0·5	*295·7*	5	+ 4
656a	Tengyueh	24 59	98 35	1633	833·7	..	..	287·6	290·2	16th	275·8	271·9	10th	281·7	..	*281·3*	75	..
657	Phu Lien	20 48	106 37	116	1003·4	1017·3	+ 0·4	292·1	298·8	7th	286·9	282·9	20th	289·5	−0·8	289·0	23	− 4
658	Moncay	21 31	107 51	9	1016·7	1017·8	+ 0·6	292·4	297·8	18th	285·7	280·7	9th	289·0	−0·5	*288·3*	14	− 29
659	Hong Kong	22 18	114 10	33·2	..	1018·3	− 0·5	291·0	296·3	27th	285·9	280·6	9th	288·5	+0·4	288·2	10	− 31
660	Amoy	24 27	118 4	ca.3	1020·6	1021·0	− 0·3	289·4	294·1	17th	283·6	280·8	10th, 14th	286·5	0·0	*286·6*	47	− 21
661	Taihoku, Formosa	25 2	121 31	9·3	1019·3	1020·4	+ 0·4	291·3	299·2	17th	282·7	276·3	10th	287·0	−0·9	286·7	137	+ 13
661a	Santo Domingo	20 28	121 59	18·7	..	1014·3	− 0·1	296·8	302·6	27th	291·6	289·1	5th	294·2	−1·6	*293·9*	139	+ 21
662	Naha	26 13	127 41	10·5	1018·0	1019·3	+ 0·3	290·8	298·3	26th	283·5	278·6	11th	287·2	−1·9	287·1	111	− 24
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1014·5	1015·0	− 1·6	292·1	297·2	27th	286·2	280·6	12th	289·1	−1·1	289·4	81	− 7
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

FEBRUARY—ZONE 7. Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 14	103 47	507	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 12	1939	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·7	1016·7	+ 1·9	293·8	296·6	23rd	279·1	273·2	3rd	286·4	+0·1	286·7	0	− 7
718	Oaxaca	17 3	96 45	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718a	Salina Cruz	16 12	95 12	56·3	1009·2	1015·6	..	301·3	305·8	22nd, 24th	294·4	290·1	4th	297·8	..	*297·3*	0	..
719	San Salvador	13 42	89 12	‡665	940·4	1015·4	+ 3·8	306·6	310·4	23rd	286·9	283·6	4th	296·7	−1·3	*294·5*	1	− 3
720	Belize	17 29	88 12	5·2	1017·3	1017·9	+ 2·7	301·9	304·7	17th	..	..	..	..	..	..	12	− 63
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1017·9	+ 2·6	301·6	303·8	18th	291·8	289·1	18th	296·7	−0·7	*295·9*	14	− 25
722	Port au Prince	18 34	72 22	37·4	1014·1	1018·4	+ 2·6	304·0	306·7	11th	292·3	290·1	23rd	298·2	−0·5	297·1	40	− 17
723	Caracas	10 30	66 55	‡1010	902·5	..	+ 1·4	295·9	298·5	15th	283·7	280·6	8th	289·8	−2·9	*288·5*	15	+ 4
724	Montserrat	16 41	62 9	39·6	1012·8	1017·5	+ 1·3	301·4	303·0	6th, 13th	293·4	290·8	4th	297·4	..	*296·9*	74	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	997·1	1015·1	+ 1·5	300·8	304·1	3rd	294·2	293·0	24th	297·5	−0·5	*297·1*	73	+ 1
725	Barbados	13 8	59 36	55·2	..	1016·1	+ 1·2	301·1	301·9	17th	293·0	290·4	3rd	297·1	−0·3	*296·1*	37	+ 2
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·5	1015·8	+ 0·6	296·2	298·0	1, 13, 21	292·3	289·0	12th	294·3	0·0	*294·6*	0	− 5
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·7	1014·4	− 0·5	297·4	300·6	2nd	292·9	291·6	7th	295·2	0·0	*295·1*	0	− 2
733	Bathurst	13 24	16 36	1·5	..	1013·6	+ 0·6	300·8	306·9	20th	..	..	..	..	+0·2	*297·2*	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	309·8	311·3	13, 20, 24	291·6	287·4	7th, 8th	300·7	+0·3	..	0	0
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	..	..	..	?289·8	?286·9	1st, 2nd	..	..	‡*306·6*	0	0
738	Kaduna Capital	10 32	7 25	637	..	..	..	308·3	310·8	12th	292·1	289·1	25th	300·2	+2·1	*300·1*	4	− 1
739	Katagum	12 17	10 22	30·7	..	..	..	310·4	313·0	10th	288·5	283·0	15th	299·4	+1·7	*299·2*	0	− 1
740	Maiduguri	11 47	13 11	361	..	..	..	310·7	314·7	6th, 10th	289·7	286·3	2nd	300·2	+1·3	*300·1*	0	0
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	..	..
743	El Obeid	13 11	30 14	569	946·2	1010·2	− 1·3	305·9	310·0	11th	284·9	281·4	16th	295·4	+0·7	*295·1*	0	0
743a	Khartoum	15 37	32 33	390	966·1	1010·5	− 0·6	305·0	308·8	11th	288·6	284·3	15th	296·8	−0·2	*296·9*	0	0
744	Port Sudan	19 37	37 13	5·9	1012·4	1013·1	− 0·6	300·5	302·5	11th	292·2	289·0	15th, 27th	296·3	+0·2	*296·0*	3	− 3
745	Berbera, Somaliland	10 22	45 2	9·2	1014·2	1015·2	+ 0·4	302·3	304·1	10th, 27th	293·8	291·3	5th	298·1	+0·5	*298·1*	0	− 8
746	Aden	12 45	45 3	28·7	1010·9	1014·2	− 1·2	299·9	302·7	28th	295·2	292·7	24th	297·6	−0·5	*297·0*	0	− 6
751	Bombay	18 54	72 49	11·3	1011·9	1013·1	− 1·4	301·7	304·3	14th	294·2	291·0	6th	297·9	+0·8	*297·6*	43	+ 42
751a	Cochin	10 58	76 21	2·7	1011·5	1011·8	− 1·4	305·7	308·0	9th	296·6	294·4	17th	301·2	+0·3	*300·7*	26	+ 7
752	Kodaikanal	10 14	77 28	2343	771·0	..	− 1·2	290·7	294·4	20th	281·1	279·2	15th	285·9	−0·8	*286·1*	166	+121
752a	Bangalore	12 59	77 38	920	911·9	1013·1	− 0·8	301·4	304·4	22nd	288·7	285·5	18th	295·1	−0·4	*294·8*	24	+ 19
753	Madras	13 4	80 14	6·7	1012·8	1013·5	− 0·9	302·8	305·4	27th	293·9	289·0	19th	298·4	+0·1	*297·9*	2	− 7
754	Waltair	17 45	83 16	68·9	1006·2	1014·1	− 0·7	302·1	305·6	21st	294·1	291·7	2nd	298·1	?−0·1	*297·6*	23	− 3
755	Port Blair	11 40	92 40	17·7	1010·2	1012·3	− 0·9	303·2	304·8	27th	296·9	293·9	11th	300·1	−0·5	*299·6*	4	− 22
756	Rangoon	16 46	95 48	5·5	1012·5	1013·2	− 0·2	305·9	308·6	27th	292·2	289·2	10th	299·0	−0·4	*297·8*	0	− 7
757	Saigon	10 47	106 42	11·2	1009·5	1010·7	− 0·4	305·3	307·6	28th	293·9	291·1	5th	299·6	−0·6	*298·9*	0	− 3
758	Nhatrang	12 15	109 12	3·6	1013·0	1013·4	− 0·4	300·5	302·7	28th	293·0	289·8	3rd	296·8	−1·2	*296·3*	4	− 13
759	Bolinao	16 24	119 53	9·7	..	1010·5	− 1·3	303·7	307·2	26th	294·9	292·0	1st	299·3	+0·2	*299·2*	1	− 10
761	Vigan	17 34	120 23	12·2	..	1011·4	− 0·7	303·6	306·1	5th	293·4	288·5	10th	298·5	+0·2	298·4	3	− 2
761a	Manila	14 35	120 59	14·2	..	1011·6	− 1·0	303·8	306·3	27th	293·8	291·0	24th	298·8	−0·3	298·0	7	− 4
762	Ormoc	11 0	124 36	5·6	..	1010·2	− 0·9	303·6	306·0	5th, 15th	295·0	292·5	25th, 26th	299·3	+0·6	298·6	109	− 1
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	..	1010·3	+ 0·2	302·4	304·0	17th	296·2	293·4	10th	299·3	+0·1	*299·2*	47	− 29

FEBRUARY—ZONE 8. Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	303·7	305·1	19th	296·3	295·2	20th	300·0	−0·2	*299·3*	9	−271
821	Colon	9 23	79 23	11·0	..	1014·7	+ 2·7	301·4	301·9	28th	297·2	295·8	3rd	299·3	−0·1	*298·9*	11	− 31
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	61	+ 1
822a	Merida, Venez.	8 36	71 9	1641	‡843·4	..	..	294·6	295·8	1, 2, 14	285·9	284·5	12th, 13th	290·3	..	*289·3*	61	..
824	El Peru, Guayanavieja	7 30	62 0	220	986·1	1011·3	0·0	301·5	303·8	23rd	292·7	291·3	9th	297·1	−0·5	*296·5*	20	− 55
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1015·3	+ 1·8	301·0	301·9	28th	296·3	294·7	9th, 12th	298·7	−0·4	*298·5*	73	− 75
826	Paramaribo	5 49	55 9	3·7	..	..	..	302·1	303·9	13th	293·8	290·7	16th	297·9	−0·4	*297·7*	108	− 71
826a	Cayenne	4 56	52 21	6	..	..	..	303·3	303·6	sev. dates	295·6	293·4	4th	299·4	0·0	*298·5*	71	−241
833	Conakry	9 31	13 43	16	1008·7	1010·5	− 0·9	303·5	305·3	22nd	295·8	294·7	28th	299·7	−0·9	*299·2*	1	+ 1
834	Freetown, Sierra Leone	8 30	13 9	68·3	1003·1	1011·0	0·0	303·8	305·2	1, 12, 25	296·2	293·0	14th	300·0	−0·9	*298·8*	18	+ 11
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	46	+ 20
836	Accra	5 33	W 0 12	25·7	..	..	..	303·1	..	..	297·1	..	..	300·1	0·0	*299·7*	6	− 26
837	Lagos	6 27	E 3 24	1·8	1010·5	1010·7	− 1·1	304·3	305·4	..	297·2	294·9	..	300·7	−0·1	*300·2*	75	+ 24
838	Zungeru	9 48	6 10	130	..	..	..	308·8	311·3	28th	294·7	291·9	15th	301·7	+0·1	*301·6*	20	+ 19
838a	Libreville	0 23	9 26	35	..	..	..	304·2	305·5	12th	295·5	293·8	17th	299·8	+0·1	*299·2*	375	+138
839	Yola	9 12	12 30	259	..	..	..	310·3	312·4	19th	295·8	293·6	4th, 23rd	303·1	+1·2	*303·0*	0	0
841	Wau	7 42	28 3	440	958·8	1008·1	− 0·3	310·1	312·5	3rd	289·7	287·5	1, 8, 19	299·9	−0·9	*299·1*	0	− 6
843	Mongalla	5 11	31 47	439	..	..	..	307·8	312·0	27th	293·4	291·5	1st, 7th	300·6	−1·9	*298·7*	68	+ 49
843a	Malakal (Kodok)	9 35	31 37	394	963·9	1008·2	+ 0·1	309·9	312·5	24th, 26th	289·2	286·5	17th	299·5	..	*298·8*	0	0
844	Entebbe	0 5	32 29	1171	882·8	..	− 0·4	298·8	301·9	17th	289·5	288·0	25th	294·2	−1·0	*293·7*	211	+120
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
851	Minicoy	8 17	72 49	2·1	1013·4	1013·6	+ 0·7	..	..	..	..	..	..	..	..	..	69	+ 51
852	Colombo Observatory	6 54	79 53	7·3	1009·3	1010·1	− 0·3	303·3	306·2	7th	294·7	292·4	14th	299·0	−1·0	*298·5*	141	+ 88
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	292·8	297·2	5th	282·1	276·6	11th	287·4	+0·2	*286·4*	274	+223
854	Trincomalee	8 34	81 14	30·2	1007·6	1011·0	− 0·1	301·6	303·9	24th	296·6	294·1	24th	299·1	−0·8	*298·6*	153	+101
855	Kota Radja	5 32	95 20	7·1	..	1009·7	− 1·8	..	..	..	..	..	..	..	..	..	91	+ 1
856	Medan	3 35	98 41	25·0	..	1009·9	− 1·5	302·7	304·5	23rd	294·1	291·7	6th	298·4	..	297·7	129	+ 34
857	Penang	5 34	100 20	5·0	1008·1	1008·7	− 1·9	305·0	307·4	3rd	295·5	293·6	19th	300·3	−0·4	*299·7*	..	..
858	Singapore	1 17	103 51	3	1009·4	1009·7	− 0·8	302·6	302·7	19th	295·6	294·1	22nd	299·1	−0·6	*298·6*	267	+ 99
859	Sandakan	5 50	118 7	31·7	..	..	..	303·0	304·7	25th, 26th	296·2	295·2	10th, 13th	299·6	−0·1	*299·1*	253	+ 9
860	Iwahig	9 44	118 38	4·3	..	1008·3	− 1·5	303·1	304·4	7th, 28th	294·7	293·4	17th, 19th	298·9	..	*298·5*	159	..
861	Tagbilaran	9 38	123 51	**	..	1009·9	− 0·7	303·2	304·5	26th	294·5	293·4	25th	298·9	−0·6	298·1	92	+ 10
861a	Menado	1 30	124 50	8·5	..	1009·6	− 0·1	301·1	304·0	25th	295·5	294·1	22nd	298·3	..	297·8	447	+ 86
862	Surigao	9 48	125 29	6	..	1009·9	− 0·7	303·0	305·3	20th	296·0	295·0	12th	299·5	+0·2	298·6	384	+ 34
863	Yap	9 29 N.	138 8 E.	31·9	..	1008·6	0·0	305·2	306·2	15, 20, 27	296·6	294·5	9th	300·9	+0·4	*300·1*	107	− 64
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.
** Height changed from 26·2 m. to 21·3 m. from Feb. 26th.

FEBRUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1012·4	1013·3	+ 3·3	303·8	305·2	24th	294·9	293·6	14, 15, 17	299·4	−2·3	*298·7*	18	− 21
924	Manaos	3 8	60 1	44·9	1006·2	1011·4	..	304·2	308·2	9th	295·8	294·0	17th	300·0	−1·0	*298·9*	249	+ 42
926	Taperinha	2 30	54 42	20·0	1009·8	1012·1	..	300·6	303·0	10th	294·6	293·2	25th	297·6	..	*296·7*	385	+134
927	Turyassu	1 43	45 27	15·0	1009·4	1011·1	+ 0·2	303·8	306·0	2nd	294·3	293·0	13th	299·1	−1·1	*297·6*	443	+117
928	Barra do Corda	5 31	45 16	81·0	1000·9	1010·3	− 0·1	303·6	305·6	18th	294·1	293·2	sev. dates	298·9	−0·5	*297·5*	296	+ 94
929	Quixeramobim	5 16	39 15	207	988·6	1012·3	+ 0·7	302·1	305·5	3rd	296·1	294·0	8th	299·1	−2·1	*298·4*	195	+ 46
930	Fernando Noronha	3 50	W32 55	95·0	999·4	1010·4	− 0·6	300·7	301·5	6th	296·8	294·5	17th	298·7	..	*298·3*	157	− 2
939	Loanda	8 49	E 13 13	59·3	..	1010·2	− 0·1	301·4	302·5	15th, 28th	296·6	295·4	23rd	299·0	+0·3	299·1	33	− 70
940	Brazzaville	4 17	15 16	290	978·3	1011·1	− 0·2	305·7	307·5	9th, 24th	292·8	291·0	16th	299·3	−0·1	*298·5*	77	+ 18
943	Masaka	0 21	31 47	?1280	..	..	..	297·7	300·8	10th	287·1	285·8	2nd, 6th	292·4	−0·9	*292·3*	73	+ 22
944	Nairobi	1 14	36 44	1800	..	..	..	295·8	300·2	28th	284·1	279·1	26th	289·9	−1·3	*289·2*	91	+ 48
944*a*	Zanzibar	6 10	39 11	21·9	1009·5	1011·9	− 1·2	302·5	304·3	20th	298·7	294·9	4th	300·6	−0·9	*300·3*	109	+ 3
945	Lamu	2 16	40 50	3·1	..	..	..	302·4	303·0	1st	296·3	295·8	8th	299·4	−1·1	*299·0*	0	− 74
947	Seychelles, Port Office	4 37	55 27	4·6	1009·7	1010·2	− 1·0	301·3	302·6	11th	298·3	297·2	10th	299·8	−0·1	*299·4*	257	− 70
957	Padang	0 56	100 22	6·7	..	1010·0	− 1·5	304·1	305·9	8th	296·3	295·1	26th	300·2	..	299·5	191	+ 30
958	Batavia	6 11	106 50	8·0	1008·6	1009·5	− 0·5	301·5	303·8	20th	296·0	295·0	4th	298·7	−0·2	298·3	353	+333
958*a*	Pontianak	0 1	109 20	2·6	..	1010·1	− 0·4	302·1	304·2	13th	296·1	294·7	24th	299·1	..	298·1	528	+ 53
959	Passeroean	7 38	112 55	5·0	..	1009·2	+ 0·2	303·0	304·9	19th	296·0	294·9	11th	299·5	−0·3	299·0	217	− 25
960	Kajoemas	7 56	114 9	1060	..	..	..	295·4	297·7	4th	290·6	290·1	10th	293·0	..	292·4	422	
962	Ambon	3 42	128 10	4·2	..	1009·1	+ 0·6	303·0	304·8	17th	296·4	295·3	10th	299·7	0·0	299·1	176	+ 64
963	Manokwari	0 52	134 20	19·0	..	1008·4	− 0·7	303·2	304·6	27th	295·7	294·6	24th	299·5	..	298·9	88	−187
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1009·5	+ 0·6	305·1	..	..	296·9	..	..	301·0	+0·3	*300·5*	124	−112
967																		
968	Rendova	8 30	157 12	1·8	1008·2	1008·3	+ 0·8	..	..	..	..	..	..	..	..	..	164	−311
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·6	1009·8	+ 2·0	304·8	308·7	17th	296·9	295·2	28th	300·8	+0·1	*300·5*	380	− 28
970	Ocean Island	0 52 S.	169 35 E.	25·6	1005·7	1008·6	+ 0·7	304·6	305·8	13th	296·9	295·2	3rd, 17th	300·7	−0·2	*300·1*	9	−220

FEBRUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1011·3	+ 3·2	301·5	303·5	27th	295·9	293·9	14th	298·7	−0·4	298·5	464	+ 42
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·2	308·0	15th	292·6	290·2	24th	298·4	..	*298·1*	112	−140
1007	Makatea	15 47	148 14	47	1008·7	1014·1	..	303·6	305·9	28th	295·8	293·8	13th	299·7	−0·7	*299·2*	157	−183
1021	Arequipa	16 22	71 33	2451	761·8	..	+ 0·7	290·7	293·2	12th	280·7	278·3	12th	285·7	−2·0	*284·8*	42	− 2
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	725·3	..	..	288·4	292·2	18th	281·0	278·0	3rd	284·7	..	*284·3*	191	+ 72
1025	Corumba	19 0	57 39	116	..	..	..	310·1	312·0	7th	..	..	..	..	..	301·4	322	+164
1026	Cuyaba	15 36	56 6	165	990·4	1009·3	0·0	300·9	303·2	8th	296·5	295·5	22nd	298·7	−1·7	*298·5*	204	− 12
1027	Bello Horizonte	19 55	43 55	857	918·4	1013·9	+ 1·0	299·9	303·0	11th	290·9	288·6	15th	295·4	−0·6	*294·7*	75	−145
1028	Caetite	14 2	42 39	900	914·7	1014·2	0·0	300·3	302·4	17th	290·7	289·2	1st	295·5	+0·3	*295·9*	71	− 14
1029	Ondina (Bahia)	13 0	38 30	47·0	1006·9	1012·3	− 0·1	304·6	306·0	5th	296·0	294·6	27th	300·3	+0·3	*299·3*	53	− 53
1030	Aracaju	10 55	37 3	4·0	1012·2	1012·6	− 0·5	302·4	304·0	11th	296·9	295·9	17th	299·7	−0·3	*299·9*	119	+ 70
1035	St. Helena	15 57	W 5 40	632	945·8	1016·7	+ 1·0	297·7	301·8	4th, 15th	288·9	287·4	6th	293·3	+1·2	*293·1*	162	+ 70
1042	Gwelo	19 27	E 29 49	1417	860·1	..	− 0·1	303·8	309·1	16, 18, 19	287·7	285·2	13th	295·8	+1·9	..	13	−125
1043	Salisbury, Rhodesia	17 48	31 5	1457	855·3	..	− 0·3	302·8	306·2	8th	287·8	285·7	21st	295·3	+1·9	..	21	−107
1044	Zomba	15 23	35 18	‡945	905·3	1009·8	+ 0·3	299·2	302·4	8th	290·7	289·7	9, 16, 20	294·9	−0·2	*294·6*	269	− 5
1045	Tananarivo	18 55	47 32	1400	861·4	..	− 0·9	297·1	301·3	15th	288·8	286·8	25th	292·9	−1·0	*291·8*	238	− 55
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1009·9	1010·3	− 0·5	302·9	304·7	4th	297·5	294·9	5th	300·2	−0·3	*299·8*	283	+ 96
1056																		
1057	Christmas Island	10 25	105 43	5·5	1006·7	1007·3	− 0·4	303·8	305·8	..	296·6	295·8	..	300·2	−0·2	*299·4*	296	+ 4
1058																		
1061	Koepang	10 10	123 34	45·1	..	1009·2	+ 0·8	302·9	305·0	9th	295·3	293·9	11th	299·1	..	298·6	328	− 44
1061*a*	Derby	17 18	123 40	16·2	1007·5	1009·4	+ 1·9	307·4	313·1	16th	297·3	294·1	5th	302·3	−0·7	..	71	− 33
1062	Hall's Creek	18 13	127 46	374	967·9	1009·3	+ 2·0	306·3	312·9	15th	293·3	289·7	26th, 27th	299·8	−2·7	*299·4*	132	+ 0
1063	Port Darwin	12 28	130 51	29·6	1004·2	1007·5	+ 1·1	304·8	307·2	11th	297·2	294·9	19th, 25th	301·0	−0·6	*300·0*	500	+233
1064	Daly Waters	16 16	133 23	211	992·6	1005·8	+ 0·4	306·8	313·6	14th	295·3	292·4	7th	301·1	−1·5	*300·7*	110	− 52
1065	Mein	13 13	142 47	122	993·4	1007·1	+ 0·5	304·2	307·6	26th	295·5	293·4	22nd	299·9	−0·4	*299·3*	288	+ 10
1066	Georgetown, Queensland	18 22	143 32	302	975·2	1008·9	+ 1·3	304·6	306·5	6th	294·8	293·0	19th	299·7	−1·0	..	343	+137
1067	Samarai	10 37	150 40	15·2	..	1009·0	+ 1·2	303·4	..	..	297·6	..	..	300·5	−0·2	*300·2*	52	−162
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	1008·0	1009·9	+ 1·0	303·3	304·7	15th	296·0	294·4	25th	299·7	−0·2	*299·4*	142	−115
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

FEBRUARY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	301·4	303·0	3, 19, 27	295·7	293·8	11th	298·6	−0·4	*298·3*	442	+188
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·2	1016·4	+ 2·2	294·0	295·5	19th	288·9	286·2	1st	291·5	−0·7	*289·3*	0	0
1123	Iquique	20 12	70 11	9	1013·9	1015·0	+ 1·6	299·2	301·2	12th	288·1	286·0	25th	293·7	−0·8	*293·3*	0	0
1124	Catamarca	28 27	65 47	510	..	1008·6	+ 0·2	304·4	311·8	20th	291·7	284·5	2nd	298·1	−1·4	297·6	39	− 24
1125	Salta	24 46	65 28	1178	886·6	1014·6	+ 4·1	299·4	305·0	20th	287·3	283·0	2nd	293·3	−0·5	293·8	97	− 28
1126	Goya	29 9	59 15	26	..	1011·2	+ 0·6	307·7	313·1	7th	293·1	287·0	3rd	300·4	+2·0	300·2	77	− 23
1127	Asuncion	25 21	57 37	95	‡1001·2	‡1012·1	+ 0·4	305·8	310·2	17th	293·0	287·3	3rd, 4th	299·4	−1·0	299·0	41	− 76
1128	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Rio de Janeiro	22 54	W43 10	61·4	1005·8	1012·9	+ 1·1	301·7	308·0	3rd	295·9	293·7	..	298·8	−0·4	298·3	43	− 72
1139	Windhoek	22 34	E 17 6	1665	..	..	..	295·5	299·7	11th	288·3	287·0	20th	291·9	−3·2	*291·9*	136	+ 62
1140																		
1141	Kimberley	28 42	24 47	1202	881·3	..	+ 0·2	303·4	310·7	14th	290·4	287·8	19th	296·9	+0·2	296·3	93	+ 15
1142	Johannesburg	26 11	28 4	1806	823·9	..	+ 1·2	295·9	300·6	12th	285·8	282·4	3rd	290·8	−0·8	*290·3*	146	+ 16
1142*a*	Pretoria	25 45	28 12	1338	870·0	..	+ 1·5	298·6	303·8	17th	287·3	284·6	17th	292·9	−1·9	*292·4*	119	− 7
1143	Durban	29 52	31 3	15·2	1013·7	1015·5	..	300·8	303·3	15th	293·2	290·4	8th	297·0	−0·4	*296·5*	51	− 68
1144	Lorenzo Marques	25 58	32 36	59	..	1014·5	+ 1·7	301·8	304·7	16th	293·7	291·3	9th	297·7	−0·9	297·5	260	+135
1147	Mauritius	20 6	57 33	55·2	1004·5	1010·9	− 0·1	302·2	303·3	8th, 17th	295·7	293·2	7th	298·9	−0·1	298·7	96	−117
1159	Onslow	21 43	114 57	4·3	1008·1	1008·9	+ 2·3	307·9	314·1	16th	295·2	291·8	21st	301·6	−1·2	..	5	− 20
1160	Peak Hill	25 38	118 47	588	944·3	1008·2	+ 1·7	306·8	311·5	15th	292·8	285·2	6th	299·8	−3·1	..	0	− 31
1161	Nullagine	21 53	120 5	386	966·4	1008·5	+ 2·1	308·1	312·6	18th	292·9	287·7	6th, 7th	300·5	−3·6	..	0	− 55
1162	Laverton	28 40	122 23	466	960·8	1012·4	+ 1·5	305·8	312·6	16th	290·4	285·1	4th	298·1	−2·0	*297·9*	1	− 28
1163	Alice Springs	23 38	133 37	587	945·0	1009·7	+ 2·7	302·7	310·1	13th	290·1	283·6	27th	296·4	−4·3	*296·6*	49	+ 5
1164	William Creek	28 55	136 21	76·2	1002·8	1011·5	+ 0·9	304·2	313·0	12th	291·0	285·2	25th	297·6	−3·5	*297·3*	17	+ 6
1164*a*	Boulia	22 55	139 38	146	990·9	1007·4	+ 1·1	305·2	311·6	13th	293·2	286·9	26th	299·2	−3·9	*299·4*	141	+ 89
1165	Thargomindah	27 58	143 43	123	996·0	1009·9	..	302·6	308·0	19th, 20th	293·7	286·2	25th	298·2	..	*297·9*	76	+ 33
1166	Mitchell	26 32	147 52	336	..	..	..	300·8	305·8	22nd	289·8	282·4	26th	295·3	−3·2	..	194	+108
1167	Rockhampton	23 24	150 30	11·3	1009·1	1010·4	+ 0·3	302·8	305·2	23rd	294·7	293·0	15th	298·8	−0·9	*298·3*	139	− 57
1168	Brisbane	27 28	153 2	11·6	1012·7	1014·0	+ 1·5	300·5	304·7	27th	291·6	289·7	13th	296·1	−1·5	*295·4*	42	−119
1169	Quitchambo	21 52	166 3	38	1004·1	1008·5	..	303·6	306·0	24th, 27th	292·3	290·0	19, 20, 21	298·0	..	..	329	+ 59
1170	Norfolk Island	29 5 S.	167 53 E.	15·2	1010·6	1012·0	− 0·5	298·3	301·8	5th	292·6	288·2	24th	295·5	0·0	*295·1*	56	− 80

FEBRUARY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	295·2	299·2	2nd	289·6	286·5	12th	292·4	+0·4	*292·6*	55	+ 25
1221*a*	Punta Tumbes	36 37	73 6	91	‡1004·7	‡1015·6	+ 0·5	293·3	301·4	2nd	285·4	283·0	7th	289·3	+1·1	*288·9*	20	+ 11
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1011·2	1016·1	+ 1·5	296·2	304·2	1st	286·5	283·5	28th	291·3	−0·1	*290·8*	0	0
1222*a*	Santiago	33 27	70 42	520	955·1	1014·7	+ 2·1	301·7	307·7	2nd	284·0	281·9	27th	292·9	+0·1	*292·0*	0	− 2
1223	Cordoba	31 25	64 12	423	963·0	1011·1	+ 0·6	303·6	311·2	..	289·0	280·8	..	296·3	+0·1	295·5	156	+ 46
1224	Bahia Blanca	38 45	62 15	25	..	1011·2	+ 0·2	303·2	312·0	16th	290·7	281·5	27th	296·9	+1·2	296·3	167	+111
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1012·2	− 0·6	300·8	307·2	17th	290·9	282·2	28th	295·9	−0·6	295·3	112	+ 50
1226	Montevideo (Prado)	34 52	56 12	24·9	1009·7	1012·6	− 0·6	301·1	309·0	17th	291·1	286·0	14th	296·1	+1·0	296·0	115	+ 43
1226*a*	Porto Alegre	30 2	W51 13	23·5	1010·5	1013·1	+ 0·4	304·1	308·0	18th	292·8	289·1	4th	298·5	+0·2	297·9	73	− 11
1239	Cape Town	33 56	E 18 29	12·2	..	1012·2	− 1·6	301·8	309·1	3rd	290·2	285·8	26th	296·0	+1·9	*294·5*	1	− 14
1240	Danger Point	34 37	19 18	19·5	..	..	..	295·4	297·4	27th	289·1	285·8	1st	292·2	..	..	1	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	304·0	315·8	4th	290·5	284·1	1st	297·2	..	..	40	− 1
1242	East London	33 2	27 53	9·8	1012·3	1013·4	− 0·6	296·8	300·2	6th	289·7	286·3	18th	293·2	−1·0	..	34	− 47
1259	Perth (Observatory)	31 57	115 51	60·0	1007·0	1014·2	+ 1·2	301·2	311·9	27th	289·7	284·5	21st	295·4	−1·0	*294·8*	21	+ 9
1260	Katanning	33 42	117 35	310	979·4	1014·7	+ 0·6	301·1	309·3	26th	286·0	280·3	22nd	293·6	−0·6	..	13	− 2
1261	Coolgardie	30 57	121 10	423	965·9	1013·1	+ 0·7	304·3	312·4	9th	287·7	282·2	21st	296·0	−1·4	*295·8*	0	− 19
1262	Eucla	31 45	128 58	4·6	1014·3	1015·0	+ 0·8	296·1	310·8	20th	287·6	281·3	22nd	291·8	−2·9	*291·1*	7	− 9
1263	Streaky Bay	32 48	134 13	13·1	1014·8	1016·3	+ 2·0	299·7	308·6	20th	286·7	280·8	25th	293·2	−2·3	*292·4*	11	− 1
1264	Adelaide	34 56	138 35	42·7	1010·6	1015·5	+ 1·2	299·9	310·2	11th	288·6	283·9	7th	294·3	−2·1	*293·8*	61	+ 44
1265	Melbourne	37 49	144 58	35·1	1011·7	1015·8	+ 1·3	296·6	308·6	13th	287·8	282·9	5th	292·2	−0·5	291·1	49	+ 5
1266	Bourke	30 13	145 58	110	1001·9	1014·4	+ 3·0	304·9	311·9	20th	291·4	285·2	25th	298·2	−3·1	..	33	− 10
1267	Sydney	33 52	151 12	44·5	1010·0	1015·3	+ 1·3	297·8	303·0	22nd	290·5	285·4	5th	294·2	−0·6	*293·8*	124	+ 12
1268	Lord Howe Island	31 32	159 4	4·6	1013·9	1014·5	..	298·4	300·5	26th	292·0	288·8	12th	295·2	..	..	82	− 45
1271	Auckland	36 50	174 50	38·1	..	1009·8	..	294·4	297·4	1st, 28th	288·7	285·2	14th	291·6	−0·9	..	322	+247
1272	Napier	39 32 S.	176 53 E.	21·3	..	1009·9	− 5·3	296·5	304·1	17th	287·7	283·0	15th	292·1	+0·4	..	103	+ 23

FEBRUARY—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1321	Isla Huafo	43 34	74 45	140	998·0	1014·8	− 1·8	288·3	290·7	22nd	283·9	281·9	10th	286·1	+0·4	*286·2*	71	+ 11
1322	Punta Galera	40 1	73 44	40	1011·9	1016·7	+ 0·5	290·5	293·6	17th	284·6	281·8	5th	287·5	+1·0	*288·0*	81	+ 5
1323	Sarmiento	45 30	69 0	274	..	1007·4	..	298·1	305·0	7th, 8th	285·3	277·4	27th	291·7	+0·8	291·0	11	0
1324	Puerto Madryn	42 49	W64 58	14	..	1009·6	..	301·8	309·7	18th	287·6	280·5	28th	294·7	+1·6	294·1	6	− 5
1365	Launceston	41 27	E147 10	9·4	1013·3	1014·5	+ 0·4	297·2	305·3	14th	285·2	278·4	24th	291·2	−0·1	*289·9*	43	+ 15
1366	Hobart	42 53	147 22	53·9	1008·1	1014·5	+ 1·0	292·9	307·8	14th	284·7	278·1	24th	288·8	−1·1	*287·5*	53	+ 16
1370	Invercargill	46 25	168 21	5·5	..	..	..	291·1	296·9	4th, 25th	282·4	276·9	13th	286·7	0·0	..	178	+105
1371	Dunedin	45 52	170 31	91·4	..	1001·4	−11·1	291·9	298·6	27th	283·1	278·0	11th	287·5	+0·8	..	61	− 10
1371*a*	Christchurch	43 31	172 38	7·6	..	1007·2	− 7·1	293·2	299·3	28th	284·8	278·4	7th	289·0	0·0	..	42	− 5
1372	Wellington	41 16	174 46	2·4	..	1009·4	− 5·2	294·2	300·0	2nd	286·9	281·9	20th	290·6	+0·7	..	42	− 40
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulae employed *see* pages 113 and 114 † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

FEBRUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	996·2	1002·9	+ 0·9	283·5	285·6	5th	280·2	278·4	13th	281·9	+0·1	*282·0*	218	− 35
1422	Puerto de Punta Arenas	53 10	70 54	4	1000·7	1001·2	+ 2·0	289·1	296·6	6th	279·4	276·0	11th	284·3	+0·6	*284·4*	50	+ 17
1423	Punta Dungeness	52 24	68 26	5	1001·1	1001·7	+ 1·6	290·0	294·0	9th	277·6	275·5	24th, 27th	283·8	+0·3	*285·0*	22	+ 3
1424	Santa Cruz	52 22	68 21	12	..	1004·3	− 1·3	295·2	306·0	6th	282·8	276·0	22nd	289·0	+0·9	288·3	7	0
1424a	Año Nuevo	54 39	64 9	50	992·4	998·4	+ 2·1	284·1	287·4	6th	279·2	276·5	11th	281·7	−0·5	281·4	66	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	35	− 28
1426	Cape Pembroke	51 41	57 42	21	..	1003·4	+ 2·8	288·1	296·9	7th	279·3	276·3	12th, 22nd	283·7	+1·4	283·7	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	996·9	997·4	+ 1·1	282·8	294·5	9th	274·9	271·1	26th	278·9	−0·4	*279·3*	42	− 76

FEBRUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	S. 60 44	W. 44 39	7	992·4	993·3	+ 2·6	275·8	279·7	9th	271·7	269·5	1st	273·7	+0·1	273·6	32	− 11
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—FEBRUARY 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. *Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Entebbe. 844. Direction and Force.		Malden Island. 905. Direction and Force.	Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction and Force.
	9h.	m/s	9h.	21h.	9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.
1	SE	—	E 5	E 5	W 1	W 1	W 2	W 3	E by N 5	Calm 0	ENE 3	NE 2	NW 1
2	S	5·3	ESE 5	E 5	W 1	Calm 0	N 2	W 3	E by N 3	E 4	NNE 3	N 1	Calm 0
3	SSE	4·5	E 5	E 4	E 1	E 1	W 2	W 2	E by N 3	NW 2	NE 3	NE 3	Calm 0
4	SSE	4·1	E 4	E 6	W 1	SW 1	W 2	N 2	E by N 4	NW 2	ENE 3	ENE 3	Calm 0
5	SSE	4·6	E 5	E 5	NE 1	Calm 0	Calm 0	W 3	E by N 4	N 2	ENE 4	ENE 3	Calm 2
6	SSE	3·9	ESE 5	E 4	SW 1	W 1	W 3	W 3	E by N 4	Calm 0	E 4	E 3	NW 0
7	SSE	2·7	E 5	E 5–6	S 1	Calm 0	W 2	W 3	E 4	SW 2	E 4	E 3	Calm 1
8	SSE	3·0	E 5	E 5	Calm 0	S 1	W 3	W 3	E by N 3	WNW 2	ENE 3	E 4	SE 1
9	SSE	3·1	E 5	E 5	Calm 0	SE 1	W 3	W 2	E by N 3	WNW 4	ENE 4	E 3	NW 3
10	SSE	4·3	SE 5	SE 5	Calm 0	Calm 0	W 2	N 2	E by N 4	NW 1	E 4	E 4	SE 0
11	SSE	—	SE 4	E 5	E 1	Calm 0	W 3	W 2	E 3	NW 2	E 4	E 4	Calm 3
12	S	—	SE 5	SE 4	Calm 0	Calm 0	Calm 0	W 2	E 2	N 2	E 4	E 3	NE 2
13	SSE	7·0	SE 4	ESE 4	E 1	SE 1	W 2	W 3	E 3	NW 4	E 4	E 3	NE 1
14	SSE	6·7	SE 5	E 4	Calm 0	Calm 0	W 2	N 2	E 2	N 2	ENE 5	E 4	W 1
15	S	4·6	SE 5	SE 4	SW 1	S 2	Calm 0	W 2	NE 3	SE 2	E 5	E 3	NE 1
16	SSE	3·8	SE 4	SE 5	Calm 0	S 1	Calm 0	W 3	E by N 3	Calm 0	NE 3	NE 1	N 0
17	SSE	3·2	SE 4	SE 5	E 1	Calm 0	W 3	W 3	E 3	SE 2	E 2	E 2	Calm 0
18	SSE	3·7	E 4	E 4	SW 1	Calm 0	E 4	SW 2	E 4	SE 4	E 2	E 2	Calm 0
19	SSE	4·1	SE 4	SE 4	Calm 0	E 1	W 3	S 3	E by N 4	SE 1	E 2	E 2	Calm 1
20	SSE	5·0	SE 4	SE 4	W 1	Calm 0	W 3	W 3	E by N 3	SE 2	E 3	E 3	SE 0
21	SSE	5·6	SE 5	SE 4	W 1	SW 1	W 2	W 2	E by S 3	SE 2	E 4	E 3	Calm 0
22	SE	7·3	SE 6	SE 4	E 1	Calm 0	W 3	W 3	E 4	Calm 0	E 3	E 3	Calm 1
23	SE	8·2	E 4	E 4	SE 1	Calm 0	S 2	W 3	E by S 3	W 1	E 2	E 3	N 0
24	SSE	6·2	E 4	E 4	SW 1	Calm 0	W 3	N 2	E 3	Calm 0	E 3	E 3	Calm 0
25	SSE	5·2	E 5	SE 5	NW 1	SW 1	W 3	W 3	E 3	Calm 0	E 3	E 2	Calm 1
26	SSE	7·2	SE 5	SE 5	W 1	SW 1	W 2	W 3	E 4	SE 2	E 5	E 6	NW 2
27	SSE	6·8	ESE 5	E 4	S 1	Calm 0	Calm 0	W 2	ESE 4	SE 1	E 6	E 5	N 1
28	S	5·6	ENE 5	E 6	S 1	S 1	W 2	W 2	NE 3	Calm 0	E 6	E 6	E 1
Mean ..	..	5·0	4·7	4·6	0·7	0·5	2·1	2·5	3·4	1·6	3·6	3·1	0·5
†Resultant	160° (92)	..	110° (92)		200° (25)		275° (75)		90° (94)	340° (3)	80° (94)		15° (21)
†Normal	141° (90)	6·5	93° (79)		288° (21)		265° (30)		73° (82)	235° (19)	85° (35)		81° (51)

* Mean velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—FEBRUARY 1917.

* *Spitsbergen.*—From the middle of the month the ice remained unbroken in Bell Sound.

* *Greenland Sea, Iceland and Denmark Strait.*—On the 8th, a little ice was seen at Cape North, and on 11th and 12th the ice belt, consisting of polar ice with some icebergs, extended from W. of Kogur to Horn, lying about 12 miles offshore. The sea was free of ice outside this ice belt which also disappeared on the 13th. Thus the duration off Iceland was 6 days compared with a normal of 5 days. Off Angmagsalik the ice was packed close inshore, open water sometimes being visible. By the middle of the month an unusually great drift of the ice towards the S. was observed.

North Atlantic and Labrador.—No reports of floes or bergs were received, but some drift ice was seen in about 49° N, 48° W.

* *Davis Strait.*—"Storis" was observed near Cape Farewell from 11th to 16th; this ice drifted N. and remained off Sagdlit until the 26th. No further ice was observed.

* *Isforholdene i de Arktiske Have, 1917*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MARCH 1917

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MARCH 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **MARCH—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123 124 125	Inglefield Bay	77 20	67 30	?	1012·6	..	+ 3·9	..	269·1	10, 20, 21	..	235·6	1st	..	..	*249·7*	4	..
	Upernivik	72 47	W56 7	18·9	1012·3	1014·8	+ 2·0	260·2	277·3	20th	249·0	239·0	16th, 17th	254·6	+2·6	*254·2*	6	− 13
139 140 141	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1013·9	1015·5	+ 4·8	..	274·5	2nd	240·1	223·8	28th	..	−7·1	246·1	41	+ 17
142	Gjesvaer	71 6	25 22	6·5	1009·1	1009·9	+ 5·1	..	276·9	2nd	264·9	258·4	28th	..	−2·2	*267·4*	84	+ 37
143	Mehavn	71 1	27 47	6·4	1009·2	1010·0	+ 3·0	..	274·3	6th	263·6	257·2	28th	..	−2·1	*266·6*	39	− 15
147 148	Vardö	70 22	31 8	10·0	1009·4	1010·7	+ 4·9	..	272·6	30th	262·4	257·0	19th	..	−2·7	*265·6*	12	− 39
	Malye Karmakouly	72 23	52 43	14·8	1007·5	1009·5	− 1·1	..	270·9	4th	..	..	..	..	−5·1	*252·9*	..	..
	Waigatz	70 24 N.	58 47 E.	11·2	1008·2	1009·7	+ 1·5	258·0	271·5	27th	248·2	231·6	19th	253·1	..	*252·4*	2	..

Between Latitude 70° N. and 60° N. **MARCH—ZONE 2.**

202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1006·8	− 4·6	268·5	275·2	3rd, 13th	259·1	240·2	24th	263·8	+4·2	..	10	− 13
204	Candle	65 55	161 57	2·4	..	..	..	265·4	275·2	2nd	258·2	238·6	25th	261·8	..	..	..	..
205	Tanana	65 10	152 6	69·5	..	1011·2	− 5·9	266·8	276·3	4th	253·4	235·2	25th, 28th	260·1	+3·8	*259·7*	4	− 9
206	Rampart	65 30	150 15	122	..	..	..	268·3	277·4	31st	253·2	236·9	25th	260·8	..	..	2	− 9
207	Valdez	61 7	146 16	8·2	..	1008·4	− 1·7	274·1	277·4	19th	265·1	256·9	30th	269·6	+0·3	*269·1*	40	− 40
208	Eagle	64 46	141 12	254	..	1010·5	− 3·9	267·6	275·2	3rd	254·3	236·9	25th	260·9	+3·2	..	9	− 1
209	Dawson	64 4	139 20	328	971·2	1013·9	− 3·7	265·2	272·4	31st	251·9	241·3	13th	258·6	+1·6	..	5	− 9
210	Carcross	60 11	134 34	662	..	..	..	270·7	277·4	17th	257·5	246·9	30th	264·1	+0·3	..	6	− 9
211	Fort Good Hope	66 25	128 53	65·2	1008·8	1017·8	..	258·0	273·6	5th	243·0	231·3	12th	250·5	..	..	7	..
212	Fort Simpson	61 52	121 35	129	998·1	1015·4	..	263·0	270·8	1st, 6th	250·2	238·0	20th	256·6	+3·2	..	2	− 12
213	Hay River	60 51	115 20	161	993·1	1014·7	..	261·9	274·1	6th	248·6	231·3	2nd	255·2	−0·9	..	20	..
225 226	Jacobshavn	69 13	51 2	12·6	1011·5	1013·1	+ 1·3	..	..	..	..	..	..	..	+7·5	*264·3*	14	+ 2
227	Godthaab	64 11	51 43	9·0	1007·4	1008·6	+ 2·8	272·0	281·1	8th	264·6	257·2	18th	268·3	+2·8	*267·9*	24	− 19
229	Ivigtut	61 12	48 10	5·0	1008·2	1008·8	+ 4·0	..	..	..	267·0	254·4	3rd	..	+2·6	*271·0*	63	− 24
	Angmagsalik	65 37	37 33	31·7	1005·6	1009·6	+ 2·0	273·3	280·5	31st	262·6	254·7	29th	267·9	+2·7	*267·5*	64	+ 12
231 232	Stykkisholm	65 5	22 46	11·3	1008·8	1010·2	+ 3·1	276·2	281·9	22nd	269·7	260·5	30th	272·9	+2·2	*272·9*	40	− 7
233	Vestmanno	63 3	20 15	7·7	1006·0	1007·0	+ 1·4	277·7	282·9	16th	271·7	258·8	30th	274·7	+0·5	*275·0*	115	+ 6
233a	Grimsey	66 33	17 58	22·0	..	..	..	274·5	281·0	23rd	269·5	257·0	30th	272·0	+2·1	*271·8*	3	− 15
234	Akureyri	65 40	18 4	6·8	1009·2	1010·1	+ 1·1	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1005·9	1008·1	+ 0·9	276·9	287·3	23rd	270·6	258·2	30th	273·7	+2·2	*273·9*	151	+ 73
236	Thorshavn	62 3	6 45	25·7	1004·8	1008·0	+ 1·7	278·0	283·0	23rd	273·3	265·0	31st	275·7	−0·2	*275·6*	108	− 20
	Lerwick	60 9	W 1 8	18·0	1006·1	1008·2	+ 1·2	277·3	280·8	1, 17, 24	274·1	269·7	9th, 10th	275·7	−1·0	*275·8*	124	+ 44
237 238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1004·3	1009·9	− 0·8	..	280·3	30th	270·6	265·3	8th	..	−2·1	*273·0*	126	+ 5
239	Christiansund	63 7	7 45	17·8	1007·4	1009·6	+ 1·0	..	280·8	24th	271·3	267·1	8th	..	−1·3	*273·6*	63	− 17
240	Trondhjem	63 26	10 25	39·5	1006·2	1011·2	+ 2·0	..	281·3	28th	266·7	259·2	20th	..	−1·8	*270·3*	41	− 35
241	Bodö	67 17	14 24	22·4	1007·6	1010·4	+ 3·4	..	277·2	30th	266·0	258·2	19th	..	−1·6	*269·8*	37	− 23
242	Haparanda	65 50	24 9	9·2	1013·3	1014·5	+ 5·1	264·4	274·5	25th	254·7	243·0	20th	259·5	−4·6	*259·9*	8	− 18
242a	Helsingfors	60 10	24 57	11·7	1012·8	1014·3	+ 1·7	267·4	275·3	31st	259·2	248·5	21st	263·3	−5·8	*263·3*	22	− 13
	Kuopio	62 54	27 40	90·3	1003·0	1014·9	+ 2·9	267·1	276·5	24th	254·0	241·0	21st	260·5	−6·1	*261·2*	14	− 20
243 244	Kola	68 53	33 1	6·7	1011·9	1012·8	+ 3·3	265·0	274·8	26th	255·3	243·0	21st	260·2	−4·3	*260·8*	11	0
245	Petrozavodsk	61 47	34 23	38·9	1010·4	1015·5	+ 0·7	..	276·0	27th	..	..	..	..	−6·2	*261·2*	..	..
246	Arkhangelsk	64 35	40 36	5·8	1014·4	1015·2	+ 2·9	264·5	274·5	26th	252·4	240·9	22nd	258·4	−6·4	*258·8*	8	− 12
247	Mezen	65 50	44 16	12·6	1012·7	1014·4	+ 3·7	263·0	274·5	31st	250·9	233·6	19th	257·0	−6·2	*257·6*	16	+ 10
248	Oust-Tsylma	65 25	52 14	? 70	1005·8	1015·3	+ 0·1	261·3	275·7	31st	249·9	235·5	19th	255·6	−6·5	*255·7*	9	..
	Tcherdyn	60 24	56 31	?177	993·0	1016·3	− 0·5	265·5	278·3	30th	255·6	241·1	14th	260·6	−4·4	*260·6*	52	+ 31
249 250	Berezov	63 56	65 4	39·9	1009·9	1015·3	− 0·1	262·0	273·0	27th, 28th	250·9	237·5	14th	256·4	−4·0	*256·6*	17	+ 3
251	Obdorsk	66 31	66 35	23·7	1010·7	1013·9	+ 0·4	257·3	271·8	28th	246·2	234·9	1st	251·8	−3·1	*252·2*	6	0
252	Sourgout	61 15	73 24	? 40	1012·2	1017·6	− 1·4	..	277·0	28th	250·8	231·1	9th	..	−1·9	*258·2*	23	+ 11
253 254	Doudinka	69 23	86 4	20	1012·2	1014·9	+ 1·6	..	269·4	21st	242·4	225·7	9th	..	..	*247·9*	4	..
	Touroukhansk	65 47	87 57	45	1013·0	1019·1	+ 2·8	..	273·8	29th	247·9	221·4	9th	..	−2·5	*254·5*	18	+ 7
261 262	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263	Iakoutsk	62 1	129 43	108	1007·4	1022·4	+ 1·1	..	271·2	28th	243·1	229·6	15th	..	+0·2	*250·0*	6	+ 1
264	Verkholansk	67 33	133 23	100	1003·8	1018·0	+ 0·8	..	265·8	30th, 31st	232·7	218·4	9th	..	+1·3	*242·8*	4	+ 2
	Oust-Maiskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271 272	Markovo-sur-Anadyr	64 45	170 50	25·9	1007·1	1010·6	− 7·5	258·9	267·8	18th	250·2	235·3	26th	254·5	+5·2	..	10	+ 3
	Novo-Mariinskii Post	64 45 N.	177 33 E.	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

MARCH—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.			a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	2·4	..	..	..	275·5	279·7	20th	271·7	265·2	26th	273·6	..	..	271	..
302	St. Paul Island	57 15	170 10	6·1	..	1004·7	− 2·6	273·7	276·9	9th	263·1	251·3	26th	268·4	..	..	47	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1009·8	+ 3·0	276·8	284·7	17th	270·9	265·2	23rd, 28th	273·8	+0·5	*273·6*	77	− 52
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Experiment Stn.)	57 48	152 22	47·2	..	..	..	274·8	278·6	12th, 31st	270·2	261·9	24th	272·5	..	..	121	+ 34
309	Sitka	57 3	135 19	27·4	..	1008·4	− 3·6	278·8	284·1	8th	271·5	265·8	28th	275·2	−0·7	*275·0*	102	− 30
310	Prince Rupert	54 18	130 18	51·8	1004·0	1010·5	− 1·9	278·0	283·0	8th	272·4	268·6	2nd	275·2	−1·1	*274·9*	145	−111
311	Barkerville	53 2	121 35	1274	864·1	..	..	270·8	275·8	17th	263·0	256·3	12th	266·9	−2·7	*266·9*	83	+ 33
312	Kamloops	50 42	120 29	385	972·4	1020·0	+ 1·3	278·6	284·7	23rd	269·1	256·3	2nd	273·8	−2·3	*273·7*	3	− 5
313	Calgary	51 2	114 2	1045	889·6	..	..	275·8	283·0	17th, 29th	263·0	249·7	3rd	269·4	+0·2	*268·7*	4	− 11
314	Fort Chipewyan	58 42	111 10	218	986·3	1014·7	..	266·9	277·4	27th	253·6	238·0	2nd	260·2	+2·1	*261·0*	19	+ 4
315	Prince Albert	53 10	106 0	442	958·7	1014·1	− 2·7	271·9	280·8	19th	258·6	236·3	3rd	265·2	+3·3	*264·9*	23	+ 1
316	Qu'Appelle	50 30	103 47	645	935·2	1015·3	− 1·6	270·8	278·0	20th	259·7	240·8	3rd	265·2	+1·1	264·8	15	− 10
317	Minnedosa	50 15	99 50	515	951·2	1015·7	− 3·0	270·8	276·9	29th, 30th	259·7	239·7	3rd	265·2	+1·6	*264·9*	5	− 12
318	Berens River	52 18	97 23	216	..	..	..	270·0	277·4	31st	258·0	235·8	4th	264·0	+1·8	..	18	− 4
318*a*	Port Nelson	57 4	92 36	14·9	1015·4	1017·4	..	263·0	274·7	24th	250·2	234·1	2nd	256·6	..	..	6	..
319	Fort Hope	51 33	87 49	‡260	982·7	1015·6	..	268·6	280·2	31st	251·9	232·4	3rd	260·2	+0·7	*260·8*	..	..
320	Moose Factory	51 14	80 30	9·1	1013·9	1015·1	− 3·2	266·3	275·8	21st	252·4	228·6	3rd	259·4	−1·9	..	1	− 35
321	Fort George	53 50	79 5	97·5	..	..	..	261·7	273·6	14th	247·8	229·7	2nd	254·8	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	269·1	278·0	27th	253·6	233·0	4th	261·3	..	..	98	..
323	Hebron	58 12	62 21	15·0	1017·0	1019·0	+ 7·9	..	..	..	253·8	241·6	..	..	..	*258·1*	..	..
324	Natashquan	50 8	61 48	?	..	..	..	267·9	277·4	14th	257·8	241·9	5th	262·9	..	..	129	..
326	Belle Isle	51 53	55 23	133	995·4	1012·6	+ 2·5	268·0	274·1	28th, 29th	261·3	245·8	5th	264·7	−0·7	*264·5*	13	− 76
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1008·9	1010·6	− 2·2	281·6	284·1	18th, 28th	276·7	272·4	31st	279·2	−1·0	279·4	116	+ 1
335	Aberdeen	57 10	2 6	26·8	1006·2	1009·6	+ 0·1	278·5	285·2	25th	273·4	266·3	9th	275·9	−1·6	276·3	48	− 13
336	Greenwich	51 28	W 0 0	48·5	1004·9	1011·0	− 3·0	280·2	287·4	17th	273·1	265·8	9th	276·6	−2·2	276·4	46	+ 2
337	Uccle	50 48	E 4 22	100	997·4	1009·9	− 4·7	279·3	290·1	11th	271·9	266·1	8th	275·6	−2·7	275·5	64	+ 6
338	De Bilt	52 6	5 11	3·0	1009·7	1010·1	− 3·4	278·7	286·9	12th	271·6	265·2	7th	275·1	−2·1	274·9	27	− 30
338*a*	Hamburg	53 33	9 58	26·0	1007·5	1010·8	− 1·7	275·7	281·0	19th	270·4	263·3	5th	273·1	−3·4	*272·8*	51	− 1
339	Copenhagen	55 41	12 36	5·0	1010·4	1011·0	− 1·3	273·3	278·5	26th, 31st	269·2	263·2	7th	271·3	−3·2	*271·6*	40	+ 3
340	Potsdam	52 23	13 4	84·9	1000·3	1011·1	− 2·2	276·0	282·2	31st	269·0	259·7	7th	272·5	−4·5	272·2	42	− 1
340*a*	Upsala	59 51	17 38	24·0	1010·2	1013·3	+ 1·8	270·0	279·1	24th	261·3	249·2	23rd	265·6	−4·4	266·2	30	+ 15
341	Warsaw	52 13	21 1	133	995·2	1012·0	− 2·1	273·0	282·6	27th	266·8	254·7	5th	269·9	−4·1	270·0	49	+ 2
342	Jurjev	58 23	26 43	74·5	1004·4	1014·2	+ 1·1	267·1	276·3	31st	257·3	249·2	21st	262·2	−7·6	262·2	26	− 2
343	Petrograd	59 56	30 16	4·8	1013·6	1014·2	+ 1·4	266·0	276·1	26th	257·0	246·3	21st	261·5	−6·4	*261·9*	21	+ 35
344	Kiev	50 27	30 30	183	989·8	1013·0	− 3·0	273·1	281·2	31st	266·0	253·7	5th	269·6	−2·7	*269·3*	75	− 10
344*a*	Moscow	55 50	37 33	167	992·0	1013·8	− 3·3	267·2	278·8	28th	257·8	244·9	14th	262·5	−5·4	*262·7*	21	+ 25
345	Saratov	51 32	46 3	59·9	1006·8	1014·6	− 4·9	..	279·3	29th	..	..	..	..	−1·5	*266·8*	45	+ 30
346	Kazan	55 47	49 8	79·9	1005·2	1015·7	− 2·7	267·6	280·4	23rd	259·3	246·7	20th	263·4	−2·7	*263·4*	54	− 5
347	Orenburg	51 45	55 6	109	1005·5	1019·9	− 1·6	267·2	278·3	29th	258·2	236·2	1st	262·7	−1·5	*263·1*	19	+ 13
348	Perm	58 1	56 16	163	996·0	1017·3	− 1·1	267·0	276·5	23rd	257·1	245·1	14th	262·0	−3·9	*262·0*	42	+ 18
349	Ekaterinburg	56 49	60 38	281	981·8	1018·2	− 2·8	267·8	281·0	24th	257·5	246·4	9th	262·6	−3·3	*262·1*	28	− 1
350	Tobolsk	58 12	68 14	?108	1006·4	1020·7	− 0·1	266·1	279·7	24th	255·8	243·7	3rd	261·0	−2·9	*261·0*	15	− 13
351	Akmolinsk	51 12	71 23	?347	981·5	1026·9	+ 1·1	..	278·6	31st	251·1	238·7	16th	..	−2·7	*259·7*	0	+ 7
352	Omsk	54 58	73 23	87·9	1012·3	1024·1	− 0·5	..	277·0	30th	253·8	240·4	10th	..	−2·3	*259·4*	16	..
353	Barnaoul	53 20	83 48	162	1007·9	1029·4	+ 1·2	267·1	280·4	31st	253·9	238·5	11th	260·5	−1·3	*261·3*	..	− 11
354	Tomsk	56 30	84 58	122	1009·9	1026·1	+ 1·4	..	279·6	28th	256·0	231·3	10th	..	−0·6	*262·1*	12	− 1
355	Minousinsk	53 43	91 41	249	995·6	1028·0	0·0	..	284·2	31st	256·7	234·0	11th	..	..	*263·8*	2	+ 1
356	Eniseisk	58 27	92 10	77·6	1013·9	1024·2	+ 0·5	..	281·0	26th	255·4	237·1	10th	..	−0·2	*262·8*	13	− 5
357	Irkutsk	52 16	104 19	467	968·0	1027·4	+ 0·3	..	284·2	31st	257·7	240·1	11th	..	+1·4	*265·2*	3	− 1
358	Kirensk	57 47	108 7	263	990·7	1025·0	+ 0·4	..	281·9	28th	253·9	241·5	2nd	..	+2·2	*262·4*	11	− 2
359	Tchita	52 2	113 30	687	938·6	1024·5	+ 0·5	..	283·1	29th	256·5	243·2	12th	..	+3·7	*264·5*	1	..
360	Blagoveshchensk Priisk	58 10	114 19	490	961·5	1025·3	+ 1·0	..	275·0	28th	250·4	236·0	14th	..	..	*257·7*	14	− 1
360*a*	Nertchinskii Zavod	51 19	119 37	626	945·6	1025·2	+ 2·1	..	278·8	29th	253·6	244·6	10th	..	+0·9	*260·9*	4	..
361	Tygan Ourkan	54 5	124 46	379	973·5	1022·9	..	267·9	281·3	29th	249·0	239·0	15th	258·4	..	*259·1*	6	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	1002·4	1021·0	+ 3·1	269·4	285·1	29th	256·6	244·3	3rd	263·0	−0·4	*263·1*	3	− 7
363	Paikanskii Sklad	50 11	130 7	145	1001·0	1020·5	..	268·0	279·5	28th	246·6	232·3	14th	257·3	..	*257·1*	2	..
364																		− 8
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1014·6	1017·4	+ 3·5	..	277·6	29th	250·9	239·1	5th	..	−1·7	*258·3*	10	− 4
366	Okhotsk	59 21	143 12	6·0	1013·2	1014·0	− 1·9	263·4	270·8	24th	252·8	244·5	7th	258·1	−0·3	*258·1*	1	
367																		..
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1004·4	1006·1	− 0·7	270·4	275·6	4th, 28th	261·4	254·2	26th	265·9	..	*265·7*	21	..
369																		..
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.			a.	a.	a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

MARCH—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·8	1018·6	+ 2·8	280·8	283·0	10th, 16th	274·7	271·9	1st, 2nd	277·7	−1·2	277·3	74	+ 9
412	Portland, Oregon	45 32	122 41	46·6	1015·9	1021·3	+ 4·4	282·2	288·0	17th	275·5	271·3	2nd	278·9	−2·4	*278·5*	135	+ 12
413	Macleod	49 44	113 24	953	..	..	..	275·2	284·7	30th	264·9	254·7	2nd	270·1	+0·5	*270·1*	16	− 2
414	Helena	46 34	112 4	1253	871·6	1018·6	+ 1·7	273·6	289·7	29th	263·7	251·3	3rd	268·6	−4·4	*268·2*	14	− 5
414*a*	Salt Lake City	40 46	111 54	1329	868·7	1019·6	+ 4·5	278·2	294·1	29th	268·9	263·0	3rd	273·6	−4·7	*273·5*	66	+ 13
415	Cheyenne	41 8	104 48	1856	808·8	1016·9	+ 1·9	275·1	290·8	29th	263·8	255·2	3rd	269·4	−3·1	*270·5*	18	− 6
416	North Platte	41 8	100 45	859	916·0	1017·9	+ 1·3	280·1	299·7	30th	267·1	256·9	3rd	273·6	−1·1	*273·7*	38	+ 16
416*a*	Bismarck	46 47	100 38	511	955·6	1018·6	− 0·1	273·8	290·2	30th	262·6	241·9	4th	268·7	+1·2	*268·8*	15	− 11
417	Winnipeg	49 53	97 7	232	986·4	1016·0	− 2·8	271·3	280·2	30th	261·3	242·4	3rd	266·3	+3·1	265·9	8	− 20
418	Duluth	46 47	92 6	345	972·5	1015·6	− 2·1	272·3	280·8	31st	263·9	246·9	4th	268·1	−0·5	*267·8*	126	+ 85
419	Port Arthur	48 27	89 12	196	990·2	1015·2	− 2·1	273·0	280·8	25th	261·9	246·3	4th, 5th	267·4	+1·8	*267·2*	25	+ 2
420	Chicago	41 53	87 37	251	985·6	1016·2	− 1·0	281·0	297·4	31st	272·6	261·3	5th	276·8	+2·0	*276·6*	54	− 8
421	Toronto	43 40	79 24	116	1001·7	1016·4	− 0·6	276·9	290·2	26th	269·1	259·1	6th	273·0	+1·7	272·9	59	− 8
422	New York (Central Park)	40 46	73 58	30·2	1014·4	1018·1	+ 1·8	280·6	289·7	31st	273·5	266·3	6th	277·0	+1·1	277·1	113	+ 17
423	St. John, N.B.	45 17	66 4	36·2	1010·3	1014·9	+ 0·9	275·2	281·3	27th	267·4	257·4	20th	271·3	+0·3	270·6	100	− 15
424	S.W. Point, Anticosti	49 24	63 33	9·1	1012·4	1013·6	+ 2·2	270·2	276·3	13th	263·0	249·7	5th	266·6	−1·0	*266·9*	66	+ 19
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1014·5	1015·5	+ 1·3	274·1	278·0	27th, 28th	270·2	263·6	7th	272·2	−1·0	*272·2*	67	− 54
425	Port aux Basques	47 35	59 10	9·1	1012·7	1013·9	+ 3·7	270·2	276·3	25th	264·1	253·0	5th	267·2	−1·7	*267·2*	67	− 51
426	St. John's, Newfoundland	47 34	52 42	38·1	1004·6	1009·4	− 0·2	273·0	283·0	27th	265·2	256·3	6th	269·1	−1·9	*269·3*	77	− 47
435	Madrid	40 24	3 41	655	937·6	1014·8	− 1·6	286·6	292·7	18th	274·8	267·8	24th	280·7	−1·4	279·8	43	+ 3
436	Nantes	47 15	W 1 34	36·5	1007·1	1011·6	− 3·8	282·9	289·9	11th	274·7	271·3	22nd	278·8	−1·7	278·6	68	+ 10
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1004·9	1011·2	− 3·9	281·6	290·8	11th	273·4	267·3	9th	277·5	−1·9	277·0	71	+ 33
438	Marseilles	43 18	5 23	74·8	999·6	1008·8	− 4·0	286·2	290·9	11th	275·8	271·4	23rd	281·0	−1·6	280·6	103	+ 66
438*a*	Zürich	47 23	8 33	493	952·1	1011·8	− 3·7	279·5	290·0	11th	271·6	267·5	9th	275·5	−1·8	275·1	84	+ 11
439	Rome	41 54	12 27	45	1003·8	1009·1	− 4·0	287·0	290·9	7th	278·9	273·5	3rd	282·9	−0·6	*282·8*	139	+ 70
440	Vienna	48 15	16 22	203	985·5	1010·6	− 4·0	277·8	286·8	30th	272·6	269·5	16th	275·2	−1·6	275·1	45	− 1
440*a*	Buda-Pesth	47 31	19 1	130	994·7	1010·6	− 4·0	281·0	291·0	31st	273·5	267·3	7th	277·3	−1·2	*276·7*	36	− 10
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1002·5	1012·8	− 2·4	280·8	295·3	27th	271·9	261·0	6th	276·4	−2·0	275·9	91	+ 50
443	Odessa (University)	46 29	30 44	65·3	1005·2	1013·5	− 2·4	276·8	288·4	26th	270·4	256·5	5th	273·6	−1·4	*273·6*	27	0
444	Kharkov (University)	50 0	36 14	140	995·9	1013·7	− 4·0	273·1	282·9	31st	265·4	253·6	17th	269·2	−2·5	*269·1*	31	− 4
444*a*	Novorossiisk	44 44	37 49	37·1	1010·2	1014·8	− 1·5	283·4	292·0	25th	275·2	263·1	19th	279·3	+0·4	*279·4*	60	+ 2
446	Tiflis	41 43	44 48	404	968·3	1016·7	− 1·8	289·7	301·2	30th	275·4	266·6	2nd	282·6	+1·4	*281·1*	12	− 17
447	Astrakhan	46 21	48 2	−13·8	1019·1	1017·4	− 1·9	277·6	295·8	29th	269·3	260·2	18th	273·4	0·0	*273·0*	11	0
448	Fort Alexandrovsk	44 30	50 16	24	1013·1	1016·1	− 2·8	..	294·4	30th	271·1	259·4	1st	..	−0·1	*274·9*	5	− 5
	Krasnovodsk	40 0	52 59	−14·6	1018·2	1016·4	− 1·9	287·5	297·5	11th	278·7	270·1	1st	283·1	+0·8	*282·6*	18	− 1
449	Aralskoe More	46 47	61 42	57·0	1015·2	1022·6	+ 0·2	273·8	292·0	31st	263·4	249·9	2nd	268·6	−0·2	*268·9*	7	..
450	Tachkent	41 20	69 18	479	962·4	1019·8	+ 0·1	287·9	299·8	31st	275·4	264·2	2nd	281·6	+0·2	*280·9*	23	− 44
451	Narynskoe	41 26	76 0	?2015	794·8	..	..	..	284·4	26th	264·4	250·5	4th	..	+1·1	*269·8*	7	..
452	Vernyi	43 16	76 53	?825	921·8	1020·6	− 1·3	279·9	293·7	31st	268·7	257·6	12th	274·3	..	*273·7*	60	..
461	Mukden	41 48	123 23	43·8	1016·3	1021·9	+ 0·9	279·9	289·5	31st	266·2	257·8	1st	273·1	+1·2	272·7	5	− 14
462	Joshin	40 40	129 11	4·0	1019·5	1020·0	+ 2·2	278·0	290·1	31st	269·0	259·4	1st	273·5	−0·2	273·4	12	− 12
463	Yuki	42 20	130 24	65·6	1012·0	1020·5	..	275·6	286·2	31st	267·3	262·3	3rd	271·5	..	271·4	37	..
464	Vladivostok	43 7	131 55	128	1003·9	1020·4	+ 2·1	272·6	283·0	29th	265·0	255·0	3rd	268·8	−1·6	268·6	15	− 1
465	Ochiai	47 20	142 44	6·6	1015·3	1016·2	+ 3·1	270·3	282·0	30th	253·3	236·2	1st	261·8	−2·4	262·9	14	− 23
466	Nemuro	43 20	145 35	26·7	1012·3	1015·7	+ 2·2	273·1	280·5	10th	266·2	255·3	2nd	269·7	−0·7	269·9	50	− 7
466*a*	Syana	45 14 N.	147 53 E.	39·3	1009·8	1014·8	+ 2·2	272·1	279·5	31st	265·0	255·6	24th	268·5	−0·2	268·6	25	− 43

Between Latitude 40° N. and 30° N.

MARCH—ZONE 5 (Western Half).

511	San Francisco	37 48 N.	122 26 W.	47·2	1016·9	1022·7	+ 5·2	288·1	295·2	26th	279·8	278·0	11th	283·9	−1·4	*283·1*	36	− 46
512	San Luis Obispo	35 18	120 39	61·3	1014·8	1022·3	+ 4·3	291·1	300·2	27th	278·4	271·9	11th	284·8	−0·8	*284·1*	11	− 80
513	San Diego	32 43	117 10	26·5	1015·9	1019·3	+ 2·5	290·1	296·9	28th	281·1	276·9	3rd	285·6	−1·2	*285·2*	7	− 32
514	Modena	37 48	113 54	1670	833·0	1017·6	+ 3·3	280·0	293·0	29th	264·8	254·7	23rd	272·4	−3·9	*272·8*	17	− 12
515	Santa Fé	35 41	105 57	2138	783·9	1013·9	+ 1·0	281·5	293·0	29th	268·6	259·1	4th	275·0	−1·8	*275·3*	7	− 12
516	Denver	39 45	105 0	1613	834·2	1016·2	+ 1·7	279·8	295·2	30th	267·6	257·4	16th	273·7	−2·9	*273·9*	24	− 1
517	Abilene	32 23	99 40	530	954·5	1015·9	+ 0·6	294·5	305·2	31st	279·0	264·1	4th	286·8	+0·6	*286·3*	7	− 22
518	Saint Louis	38 38	90 12	173	996·3	1017·3	0·0	286·2	299·7	31st	275·9	263·0	4th	281·1	+1·2	*280·6*	46	− 38
519	Mobile	30 41	88 2	17·4	1018·1	1020·3	+ 2·3	294·8	299·7	21st	286·0	271·9	5th	290·4	+1·9	*290·0*	58	−109
520	Nashville	36 10	86 47	166	1000·1	1020·3	+ 2·3	288·1	299·1	31st	277·8	263·0	5th	282·9	+0·4	*282·9*	205	+ 77
521	Charleston	32 47	79 56	14·6	1019·4	1021·0	+ 2·7	292·6	301·9	12th	283·9	274·1	6th	288·2	+1·4	*288·4*	77	− 9
522	Washington	38 54	77 3	34·1	1015·2	1019·6	+ 2·0	284·3	300·8	31st	274·4	268·0	6th	279·3	+0·6	*279·3*	130	+ 32
523	Bermuda	32 18	64 46	46·0	1015·4	1020·9	+ 3·4	292·2	294·8	5th	286·7	282·9	23rd	289·5	−0·6	*289·2*	49	− 64
524																		
530	Santa Cruz (Flores)	39 27	31 9	28	1014·8	1017·9	− 4·3	288·9	291·0	31st	281·5	274·2	9th	285·2	−1·8	*285·2*	168	+ 14
531	Horta	38 32	28 38	65	1011·1	1018·3	− 1·3	288·4	291·4	31st	284·1	279·6	4th	286·3	−0·7	286·7	50	− 47
532	Ponta Delgada	37 44	25 40	22	1017·6	1019·5	− 0·5	288·5	290·3	14th, 30th	284·8	281·6	7th	286·6	−0·5	286·6	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	185	+ 55
533	Madeira (Funchal)	32 37	16 54	25	1018·5	1021·5	+ 3·0	289·9	294·0	18th	284·7	283·4	11th	287·3	−1·4	*287·2*	79	− 1
534																		
535	Lisbon	38 43	9 9	95	1005·7	1017·3	+ 0·9	287·6	292·2	18th	281·7	278·0	25th	284·6	−1·1	*284·4*	63	− 25
536	Gibraltar	36 6	5 21	10·2	1015·8	1017·7	+ 0·6	289·1	292·4	16th, 31st	282·1	276·9	25th	285·6	−1·6	*285·6*	216	+ 94
536*a*	Melilla	35 18 N.	2 59 W.	8	‡1016·5	‡1017·5	− 0·4	289·7	292·6	9th	281·9	278·8	25th	285·8	−1·8	*287·6*	95	+ 23
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

MARCH—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 38	23	1008·9	1011·7	− 3·5	288·1	293·0	15th	280·4	276·2	24th	284·2	−1·7	..	27	− 12
538	Algiers (Bouzaréah)	36 48	3 2	344	973·4	1014·5	− 1·5	286·5	297·2	10th	280·0	273·7	24th	283·2	−1·5	282·9	94	+ 13
539	Tunis	36 48	10 10	33	‡1008·4	‡1012·4	− 2·6	291·0	303·0	7th	280·9	276·0	2nd	286·0	−0·2	285·5	60	+ 14
539a	Malta	35 53	14 31	56·4	..	1011·2	− 4·7	289·5	293·0	24th	284·7	281·9	2nd, 3rd	287·1	+0·7	286·3	22	− 12
540	Riposto	37 41	15 14	14·2	..	1012·4	− 3·9	289·3	293·8	7th	283·8	280·2	1st	286·5	−0·4	285·5	15	− 41
541	Athens	37 58	23 43	107	999·3	1012·2	− 1·7	289·1	296·4	28th	281·8	276·2	18th	285·4	+1·0	285·3	11	− 24
542	Alexandria	31 12	29 53	32·0	1011·6	1015·4	− 0·3	295·8	309·1	28th	286·0	282·7	1st, 3rd	290·9	+1·2	290·2	13	0
543	Cairo (Helwan)	29 52	31 20	116	1000·9	1014·7	− 0·5	299·3	311·5	28th	285·3	279·4	1st	292·3	+1·9	291·8	0	− 6
544	Nicosia (P.W.D.)	35 9	33 22	159	994·8	1013·4	− 0·9	292·9	299·1	25th, 27th	281·3	277·4	2, 18, 19	287·1	+1·9	..	27	− 13
544a	Beirut	33 54	35 28	33·7	..	1014·2	0·0	293·6	302·7	28th	287·0	282·6	11th	290·3	+1·9	290·0	117	+ 20
545	Baghdad	33 21	44 28	38·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546	Busrah	30 31	47 53	7·6	1016·1	1017·2	+ 0·3	298·7	306·1	31st	283·6	276·9	1st	291·2	−0·2	..	0	− 27
546a	Lenkoran	38 46	48 51	−19·3	1019·0	1016·7	− 2·2	..	301·3	30th	277·6	271·4	1st	..	+1·3	281·7	49	− 32
547	Teheran	35 41	51 25	1220	..	..	..	289·5	299·4	31st	278·9	270·4	1st	284·2	+1·9	284·4	6	− 43
548	Meshed	36 16	59 35	946	..	..	..	289·2	299·9	31st	273·3	266·9	2nd, 20th	281·2	+0·4	..	17	− 42
549	Seistan	31 0	61 30	?	..	..	..	295·6	302·9	14th	278·1	272·3	20th	286·9	..	..	0	..
550	Quetta	30 11	67 3	1677	833·0	..	− 0·6	289·7	295·8	18th	274·9	269·6	3rd	282·3	−1·5	282·5	52	+ 3
551	Peshawar	34 2	71 37	339	975·2	1015·1	− 0·5	297·1	305·9	13th	282·8	277·6	4th	289·9	−0·5	289·5	63	+ 9
551a	Lahore	31 34	74 20	214	987·5	1012·5	− 0·2	301·6	306·4	21st	285·8	279·2	4th	293·7	−0·2	293·3	6	− 13
552	Simla	31 7	77 8	2205	781·1	..	+ 0·4	284·9	291·5	31st	278·2	271·8	7th	281·6	−1·3	281·8	34	− 28
552a	Leh	34 10	77 42	3503	664·1	..	− 0·7	281·0	288·9	15th	266·6	259·9	4th	273·8	+0·5	273·1	0	− 7
559	Hankow	30 35	114 17	37·0	1019·0	1023·5	+ 1·9	287·2	296·0	31st	279·2	270·7	1st	283·2	−0·1	283·2	44	− 35
560	Tientsin	39 10	117 10	5·0	1023·0	1023·6	+ 1·7	284·9	295·5	31st	271·4	264·8	1st	278·1	−0·1	277·6	3	− 10
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1022·9	+ 1·6	286·1	296·4	31st	275·3	268·2	2nd	280·7	−0·8	280·0	51	− 37
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1013·4	1022·0	+ 1·5	280·1	289·1	13th	272·1	265·8	1st	276·1	−0·2	275·6	11	− 12
562a	Nagasaki	32 44	129 52	133	1003·2	1019·6	+ 0·7	284·9	290·8	14th	277·3	272·7	7th	281·1	−1·5	280·7	113	− 20
563	Kioto	35 1	135 44	42·9	1013·4	1018·7	+ 1·0	284·9	290·8	13th	273·5	268·9	8th	279·2	0·0	279·1	182	+ 69
564	Tokio	35 41	139 45	21·3	1014·2	1016·8	+ 0·4	284·3	290·7	10th	275·1	269·9	2nd	279·7	−0·5	279·4	170	+ 58
565	Kanayama	37 53	140 46	24·6	1013·4	1016·4	+ 0·3	281·4	289·6	18th	272·9	268·0	7th	277·1	+0·3	277·1	277	+185
566	Miyako	39 38 N.	141 59 E.	30·4	1012·5	1016·3	+ 0·5	281·2	289·6	31st	270·8	264·7	1st	276·0	0·0	275·4	221	+133

MARCH—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1016·0	1017·3	0·0	297·8	300·2	..	292·6	289·7	..	295·2	+0·4	295·1	403	+299
614	La Paz	24 10	110 20	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	821·9	..	+ 1·3	..	303·6	23rd	..	276·6	5th	..	+0·8	291·9	3	− 4
616a	Monterry	25 40	100 19	535	953·2	1014·4	..	..	309·6	26th	..	273·2	5th	..	..	291·4	5	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	299·5	..	..	278·5	..	..	+1·5	289·6	17	− 11
618	Galveston	29 18	94 50	16·5	1016·7	1018·6	+ 1·7	292·8	297·4	26th	287·9	276·3	4th	290·4	+0·4	290·2	23	− 47
618a	New Orleans	29 58	90 4	16·2	..	1019·6	+ 2·2	296·3	301·3	26th	287·6	275·2	5th	291·9	+1·8	291·5	77	− 50
619	Merida, Yuc	20 58	89 41	22	1013·8	1016·4	..	..	306·4	26th	..	290·2	6th	..	..	‡293·8	15	0
620	Havana	23 8	82 21	24·3	..	1019·4	+ 2·3	300·0	302·2	22nd	293·4	291·6	5th	296·7	+0·7	296·6	48	+ 63
620a	Key West	24 33	81 48	6·7	1018·8	1019·3	+ 1·0	299·7	301·3	17th	294·3	289·7	5th	297·0	+1·0	296·6	98	+ 16
621	Nassau, Bahamas	25 5	77 21	3·7	..	1021·0	+ 2·5	298·5	300·2	4, 9, 25	293·8	291·9	20th	296·2	+0·5	296·0	56	..
622	Watling Island	24 6	74 26	33·5	1016·2	1020·1	+ 3·3	..	300·8	29th	..	293·6	20th	..	..	296·9	..	..
633	Izaña	28 19	16 30	2367	767·8	..	..	281·6	288·9	14th	274·1	267·7	26th	277·8	..	277·3	20	..
634	La Laguna	28 28	16 20	547	955·7	1019·7	+ 1·0	290·5	296·8	18th	281·3	276·4	22nd	285·9	−0·6	285·3	27	− 57
637	Insalah	27 8	W 2 27	?280	..	..	..	302·6	313·0	27th	285·1	279·0	1st, 6th	293·9	+1·0	..	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1000·7	1012·3	− 1·5	305·6	316·0	29th	287·8	282·6	1st	296·7	+1·5	295·4	..	..
644	Tor	28 14	33 37	1·9	1013·0	1013·2	− 0·5	298·2	307·0	29th	285·2	281·3	8th	291·7	+0·4	291·5	..	..
647	Bushire	28 59	50 53	4·3	1013·7	1014·3	− 0·4	294·4	299·4	17th	286·4	283·2	1st	290·4	−1·3	289·8	1	− 22
648	Jask	25 44	57 47	4·0	1012·8	1013·3	− 0·6	300·9	302·5	1st	291·6	287·8	12th	296·3	+0·5	295·7	0	− 20
649	Robat	29 45	60 55	?	909·4	..	..	298·3	304·9	14th	282·1	277·7	3rd	290·2	..	..	1	..
649a	Karachi	24 53	66 57	4·0	1012·5	1013·0	− 0·1	301·1	305·6	17th	293·3	289·8	7th	297·2	+0·8	296·6	19	+ 13
650	Hyderabad, Sind	25 24	68 18	29·3	1008·8	1012·1	− 0·3	305·6	309·1	18th	289·9	284·4	6th	297·7	−0·9	297·1	0	− 5
650a	Jacobabad	28 17	68 29	56·7	1005·5	1012·0	− 0·3	304·6	309·4	15th	287·2	282·2	4th	295·9	−1·1	295·4	9	+ 3
651	Jaipur	26 56	75 52	436	963·6	1012·9	− 0·1	304·1	308·8	30th	288·2	282·1	6th	296·2	−0·9	295·9	11	+ 3
652	Nagpur	21 8	79 5	310	976·9	1012·0	0·0	306·8	309·9	20th	290·8	283·9	1st	298·8	−2·3	298·4	26	+ 14
653	Allahabad	25 25	81 51	94·1	1001·3	1012·2	+ 0·3	304·9	311·2	31st	288·5	283·7	5th	296·7	−1·3	296·3	21	+ 15
653a	Darjiling	27 3	88 18	2266	775·1	..	− 0·5	286·4	292·4	30th	278·5	274·3	1st	282·4	−0·1	282·6	56	+ 11
654	Calcutta	22 36	88 23	6·4	1010·9	1011·7	0·0	305·3	310·0	31st	293·2	287·5	1st	299·3	−0·3	298·9	36	+ 4
655	Gauhati	26 8	91 41	59·7	1006·3	1013·3	+ 0·5	301·7	307·8	30th	287·9	283·7	1st	294·8	−0·5	293·9	23	− 38
655m	Cherrapunji	25 15	91 42	1314	868·8	..	− 0·3	292·9	297·5	22nd	284·9	279·8	8th	288·9	+0·1	288·2	55	−163
655a	Akyab	20 11	92 56	6·1	1010·9	1011·6	− 0·7	304·2	307·3	15th	289·8	285·1	1st	297·0	?−1·9	297·1	1	− 14
656	Mandalay	21 59	96 0	76·2	1002·2	1011·0	− 0·6	310·0	313·0	20th	292·6	287·4	2nd	301·3	−0·1	300·9	2	− 4
656a	Tengyueh	24 59	98 35	1633	833·5	..	..	292·9	296·3	22nd, 29th	277·6	273·0	2nd	285·3	..	284·9	9	..
657	Phu Lien	20 48	106 37	116	1002·1	1015·9	+ 2·1	292·4	296·9	14th	288·2	282·6	2nd	290·3	−2·0	289·9	87	+ 35
658	Moncay	21 31	107 51	9	1015·4	1016·5	+ 2·2	292·1	300·5	13th	287·2	280·8	2nd	289·7	−2·3	289·0	139	+ 63
659	Hong Kong	22 18	114 10	33·2	..	1017·2	+ 1·4	291·8	298·1	19th	287·6	282·1	1st	289·7	−0·8	289·4	68	− 3
660	Amoy	24 27	118 4	ca.3	1019·7	1020·1	+ 0·7	290·2	297·4	12th, 13th	284·5	280·2	2nd, 26th	287·4	−0·9	287·2	119	+ 11
661	Taihoku, Formosa	25 2	121 31	9·3	1018·3	1019·4	+ 1·8	291·8	303·0	13th	285·7	281·1	24th	288·7	−1·4	288·4	245	+ 67
661a	Santo Domingo	20 28	121 59	18·7	..	1013·0	− 0·2	298·2	304·3	14th	293·4	290·6	30th	295·8	−1·3	295·7	221	+100
662	Naha	26 13	127 41	10·5	1017·3	1018·6	+ 1·4	293·3	299·6	13th	286·4	281·7	30th	289·8	−1·2	289·7	117	− 35
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·8	1017·3	+ 0·4	294·2	298·5	20th	289·2	285·7	3rd, 13th	291·7	−0·1	291·4	144	+ 31
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

MARCH—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 14	103 47	507	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 12	1939	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·8	1013·6	+ 0·3	294·6	299·6	23rd	281·7	274·0	5th	288·2	+0·3	288·5	6	− 5
718	Oaxaca	17 3	96 45	1563	846·5	..	+ 0·2	..	306·4	23rd	..	279·4	4th	..	..	293·2	5	− 10
718a	Salina Cruz	16 12	95 12	56·3	1006·4	1012·8	..	302·5	308·0	14th	295·4	290·5	5th	299·0	..	298·5	0	..
719	San Salvador	13 42	89 12	‡665	938·1	1012·6	+ 1·6	309·0	312·4	13th	288·4	285·4	7th	298·7	−0·3	296·3	11	0
720	Belize	17 29	88 12	5·2	1015·3	1015·9	+ 2·0	302·9	304·4	31st	..	..	..	..	..	..	15	− 28
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1016·5	+ 1·9	301·9	303·6	22nd	291·9	290·2	6th	296·9	−0·7	296·2	64	+ 5
722	Port au Prince	18 34	72 22	37·4	1012·9	1017·2	+ 2·1	305·2	306·6	16th	293·6	292·2	9th	299·4	+0·3	298·7	105	+ 10
723	Caracas	10 30	66 55	‡1010	902·0	..	+ 1·4	297·4	299·6	26th	286·2	283·6	1, 21, 25	291·8	−1·6	290·4	6	− 11
724	Montserrat	16 41	62 9	39·6	1012·6	1017·2	+ 0·8	302·0	304·1	29th, 30th	293·4	290·8	29th	297·7	..	297·1	105	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	995·8	1013·8	+ 0·8	300·7	302·4	7th	294·6	292·4	3rd	297·6	−0·8	297·1	75	+ 5
725	Barbados	13 8	59 36	55·2	..	1016·0	+ 1·1	301·1	301·7	29th	293·5	289·6	28th	297·3	−0·6	296·3	73	+ 35
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·7	1015·0	+ 0·5	295·0	298·8	9th	291·8	290·0	22, 24, 28	293·4	−1·1	294·6	0	− 1
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·6	1014·3	− 0·2	299·0	304·0	16th	293·4	291·8	23rd, 30th	296·2	+0·8	296·3	0	− 2
733	Bathurst	13 24	16 36	1·5	..	1013·6	+ 0·8	302·4	305·2	3, 13, 28	..	..	..	..	+1·1	298·7	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	312·1	314·1	13th	292·8	290·2	31st	302·5	−0·1	..	0	0
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	308·4	313·5	8th	290·4	283·5	29th	299·4	−1·6	299·2	0	..
737	Sokoto	13 2	E 5 14	353	..	..		316·3	318·6	26, 29, 31	289·2	285·8	15th	302·8	−0·4	302·6	0	− 3
738	Kaduna Capital	10 32	7 25	637	..	..	..	309·7	311·3	sev. dates	292·8	289·7	18th, 21st	301·2	+1·6	300·9	2	− 8
739	Katagum	12 17	10 22	30·7	..	..	..	312·9	317·4	31st	290·5	285·2	14th	301·7	0·0	301·4	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	313·1	318·0	26th	292·4	286·9	14th	302·7	−0·1	302·4	0	0
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	..	..
743	El Obeid	13 11	30 14	569	944·8	1008·1	− 1·6	308·8	314·5	23rd, 30th	287·1	280·0	12th	297·9	+0·4	297·8	0	− 2
743a	Khartoum	15 37	32 33	390	964·2	1008·0	− 0·9	308·8	315·9	30th	291·6	285·2	1st	300·2	+0·1	300·5	0	0
744	Port Sudan	19 37	37 13	5·9	1010·7	1011·4	− 0·6	302·2	305·0	27th	292·3	287·5	12th	297·3	+0·2	296·9	0	− 2
745	Berbera, Somaliland	10 22	45 2	9·2	1012·9	1014·1	+ 1·1	302·3	303·6	10th, 27th	294·3	291·9	18th	298·3	−0·1	298·5	0	− 23
746	Aden	12 45	45 3	28·7	1009·4	1012·6	− 0·7	301·8	303·8	22nd	296·2	294·1	2nd, 6th	299·0	−0·4	298·3	0	− 16
751	Bombay	18 54	72 49	11·3	1010·8	1012·1	− 0·6	303·0	306·3	31st	295·9	292·8	8th	299·4	0·0	298·6	0	− 1
751a	Cochin	10 58	76 21	2·7	1010·5	1010·8	− 1·2	305·6	307·8	1st	297·5	295·3	4th	301·6	−0·5	300·7	68	+ 15
752	Kodaikanal	10 14	77 28	2343	771·1	..	− 1·2	292·6	294·8	6th	282·4	278·7	4th	287·5	−0·9	287·5	54	− 1
752a	Bangalore	12 59	77 38	920	911·1	1011·0	− 0·7	305·2	307·0	14th	290·7	286·9	4th	297·9	−0·4	297·4	0	− 12
753	Madras	13 4	80 14	6·7	1011·2	1011·9	− 0·5	304·8	306·1	19th	295·1	291·1	3rd	300·0	−0·3	299·1	0	− 5
754	Waltair	17 45	83 16	68·9	1004·9	1012·6	+ 0·3	303·9	305·6	31st	295·3	292·1	2nd	299·6	−0·5	298·7	4	− 5
755	Port Blair	11 40	92 40	17·7	1009·2	1011·2	− 0·9	303·6	305·4	4th, 30th	297·6	296·1	24th	300·6	−1·0	299·7	112	+ 92
756	Rangoon	16 46	95 48	5·5	1010·6	1011·4	− 0·8	308·4	310·3	20th	295·3	293·2	3rd	301·8	+0·2	300·3	6	− 3
757	Saigon	10 47	106 42	11·2	1008·1	1009·3	− 1·2	307·4	308·9	22nd	295·9	294·4	4th, 20th	301·7	−0·1	301·0	1	− 6
758	Nhatrang	12 15	109 12	3·6	1011·5	1011·9	− 0·1	302·5	304·6	22nd	295·0	292·8	31st	298·8	−0·4	298·3	5	− 15
759	Bolinao	16 24	119 53	9·7	..	1009·0	− 2·2	305·9	308·8	13th	295·5	292·2	16th	300·7	+0·3	300·5	91	+ 76
761	Vigan	17 34	120 23	12·2	..	1010·0	− 1·4	304·9	307·8	5th	295·5	293·5	31st	300·2	+0·4	300·2	17	+ 11
761a	Manila	14 35	120 59	14·2	..	1010·3	− 1·3	305·0	306·8	8th	294·4	292·6	15th	299·7	−0·6	299·0	48	+ 29
762	Ormoc	11 0	124 36	5·6	..	1009·4	− 1·2	304·4	307·0	28th	294·9	293·4	30th	299·7	+0·2	298·9	134	+ 42
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	..	1009·0	− 1·0	303·2	304·0	15th	297·4	295·0	26th	300·3	+0·6	300·2	42	− 38

MARCH—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	303·7	305·2	8th, 25th	296·8	295·5	4th	300·3	0·0	299·7	60	−260
821	Colon	9 23	79 23	11·0	..	1012·3	+ 0·2	300·5	301·9	4th	297·4	295·8	5th	299·0	−0·5	298·7	19	− 22
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	120	+ 32
822a	Merida, Venez	8 36	71 9	1641	‡842·2	..	..	296·2	297·5	13th, 23rd	287·1	286·0	6th, 7th	291·7	..	290·6	35	..
824	El Peru, Guayanavieja	7 30	62 0	220	987·0	1012·2	+ 0·9	301·6	304·9	17th	293·4	292·1	24th	297·5	−0·6	296·9	81	+ 26
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1015·0	+ 2·1	301·2	301·9	9, 12, 19	296·9	294·7	2nd	299·1	−0·3	298·7	72	− 89
826	Paramaribo	5 49	55 9	3·7	..	..	..	301·9	304·3	10th	295·4	293·0	19th	298·7	−0·6	298·1	311	+ 99
826a	Cayenne	4 56	52 21	6	..	..	..	303·4	303·6	2nd, 4th	295·5	293·0	22nd	299·4	−0·1	298·3	237	−165
833	Conakry	9 31	13 43	16	1008·7	1010·5	+ 0·2	304·6	306·5	19th	295·6	293·8	20th	300·1	−1·3	299·5	11	+ 9
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·0	1011·8	+ 0·9	305·4	309·7	25th	296·8	295·2	3, 5, 6	301·1	0·0	299·5	3	− 25
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	14	− 44
836	Accra	5 33	W 0 12	25·7	..	..	..	303·0	..	..	297·3	..	..	300·1	−0·5	299·7	41	− 2
837	Lagos	6 27	E 3 24	1·8	‡1011·7	‡1011·9	+ 0·9	305·3	307·4	..	297·7	295·8	..	301·5	+0·2	301·0	82	− 14
838	Zungeru	9 48	6 10	130	..	..	..	311·0	313·0	18th, 24th	295·2	290·8	14th, 16th	303·1	−0·2	302·8	0	− 14
838a	Libreville	0 23	9 26	35	..	..	..	304·7	305·8	14th	296·2	293·5	19th	300·4	+0·4	299·8	207	−141
839	Yola	9 12	12 30	259	..	..	..	311·8	314·1	24th, 25th	297·1	294·7	2, 16, 18	304·5	+0·1	304·2	6	− 3
841	Wau	7 42	28 3	440	958·3	1007·2	− 0·2	311·2	314·0	22nd, 24th	292·5	287·0	13th	301·9	−0·4	301·0	4	− 18
843	Mongalla	5 11	31 47	439	..	..	..	310·6	314·0	27th	293·3	289·5	13th	301·9	−1·0	300·1	28	− 11
843a	Malakal (Kodok)	9 35	31 37	394	962·7	1006·6	− 0·1	311·6	316·0	22nd	291·1	286·0	14th	301·3	..	300·7	0	− 7
844	Entebbe	0 5	32 29	1171	882·5	..	− 0·5	300·1	302·4	25th	290·7	290·1	2nd	295·4	+0·2	294·8	56	− 92
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
851	Minicoy	8 17	72 49	2·1	1012·1	1012·3	+ 0·3	..	..	..	..	..	..	..	..	..	11	− 13
852	Colombo Observatory	6 54	79 53	7·3	1008·5	1009·3	− 0·5	303·2	305·2	3rd	295·9	294·2	3rd	299·6	−1·2	298·7	255	+143
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	293·5	295·6	23rd	283·6	279·5	19th, 29th	288·6	+0·5	287·5	193	+113
854	Trincomalee	8 34	81 14	30·2	1006·4	1009·8	− 0·2	302·9	305·4	18th	296·9	294·9	5th	299·9	−1·1	299·0	46	+ 7
855	Kota Radja	5 32	95 20	7·1	..	1009·4	− 1·7	..	..	..	..	..	..	..	..	..	217	+131
856	Medan	3 35	98 41	25·0	..	1008·9	− 1·8	303·2	305·8	4th	294·8	293·4	30th	299·0	..	298·3	277	+183
857	Penang	5 34	100 20	5·0	1008·8	1009·4	− 0·9	305·1	306·9	9th	295·8	294·7	17th	300·5	−0·8	299·9	106	− 13
858	Singapore	1 17	103 51	3	1008·0	1008·3	− 1·8	303·5	306·1	5th	296·3	295·2	3rd, 21st	299·9	−0·5	299·4	289	+101
859	Sandakan	5 50	118 7	31·7	..	..	..	303·7	305·2	19th, 30th	296·4	295·2	13th	300·1	−0·2	299·6	323	+117
860	Iwahig	9 44	118 38	4·3	..	1007·4	− 2·0	304·4	305·9	28th, 31st	294·7	293·4	28th	299·5	..	299·1	44	..
861	Tagbilaran	9 38	123 51	21·3	..	?1009·2	− 1·0	?304·6	?306·4	28th	?295·0	?294·0	25th	?299·8	−0·2	?299·1	..	..
861a	Menado	1 30	124 50	8·5	..	1008·7	− 1·1	302·3	303·8	6th	296·2	294·8	1st	299·3	..	298·9	359	+ 74
862	Surigao	9 48	125 29	6	..	1009·1	− 1·3	304·6	306·0	31st	296·0	294·2	16th	300·3	+0·5	299·4	241	− 31
863	Yap	9 29	138 8	31·9	..	1007·5	− 1·0	305·8	306·6	17th, 22nd	297·1	295·5	1st, 2nd	301·5	+0·4	300·4	173	+ 27
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

MARCH—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·4	1011·4	+ 1·3	303·9	305·2	16th	295·6	294·1	7th	299·7	−1·5	*299·0*	37	− 73
924	Manaos	3 8	60 1	44·9	1005·7	1010·9	..	303·4	307·2	24th	295·8	293·8	3rd	299·6	−0·9	*298·7*	349	+147
926	Taperinha	2 30	54 42	20·0	1009·4	1011·7	..	301·3	303·0	17th	295·1	293·6	7th	298·2	..	*297·3*	201	..
927	Turyassu	1 43	45 27	15·0	1009·3	1011·0	+ 0·1	303·8	306·4	26th	294·5	292·6	5th	299·1	−0·8	*297·7*	474	+ 49
928	Barra do Corda	5 31	45 16	81·0	1000·7	1010·1	− 0·2	304·2	306·4	27th	294·5	293·4	26th	299·3	−0·1	*297·9*	282	+120
929	Quixeramobim	5 16	39 15	207	988·1	1011·7	+ 0·6	302·2	304·0	23rd	296·3	294·8	5th	299·3	−1·6	*298·4*	332	+181
930	Fernando Noronha	3 50	W32 55	95·0	999·6	1010·6	− 0·1	300·5	301·9	29th	296·5	293·6	1st	298·5	..	*297·8*	322	+129
939	Loanda	8 49	E 13 13	59·3	..	1010·5	+ 0·7	301·8	303·7	18th	296·9	294·2	5th	299·3	+0·4	299·5	112	+ 55
940	Brazzaville	4 17	15 16	290	978·3	1011·1	+ 0·3	306·0	308·0	28th	292·3	291·0	8, 11, 18	299·2	−0·6	*298·3*	171	+ 15
943	Masaka	0 21	31 47	?1280	..	..	..	299·3	301·9	17th	288·6	286·3	10th	293·9	+0·5	*293·6*	59	− 35
944	Nairobi	1 14	36 44	1800	..	..	..	296·9	299·1	3rd	283·6	279·1	18th	290·2	−1·6	*289·6*	206	+ 88
944*a*	Zanzibar	6 10	39 11	21·9	1009·4	1011·9	− 0·9	303·1	305·9	5th	299·1	296·6	13th	301·1	−0·3	*300·5*	113	− 39
945	Lamu	2 16	40 50	3·1	..	..	..	301·9	303·0	13th	296·9	296·3	4th	299·4	−1·5	*299·0*	0	− 23
947	Seychelles, Port Office	4 37	55 27	4·6	1009·4	1009·9	− 0·7	301·7	303·2	14th	298·7	296·9	1st	300·2	−0·2	*299·9*	43	−198
957	Padang	0 56	100 22	6·7	..	1009·7	− 1·5	303·8	305·7	18th	296·0	294·7	1st	299·9	..	299·2	502	+211
958	Batavia	6 11	106 50	8·0	1007·5	1008·4	− 1·5	302·5	304·9	16th	296·3	294·8	25th	299·4	−0·1	298·9	163	− 29
958*a*	Pontianak	0 1	109 20	2·6	..	1009·0	− 1·5	303·5	305·5	21st	296·2	294·9	10th	299·9	..	299·0	316	+ 73
959	Passercean	7 38	112 55	5·0	..	1007·7	− 1·7	303·7	306·0	27th	296·2	295·0	26th	299·9	−0·3	299·1	272	+ 60
960	Kajoemas	7 56	114 9	1060	..	..	..	295·6	298·1	1st	291·1	290·5	14th	293·3	..	292·7	665	+211
962	Ambon	3 42	128 10	4·2	..	1007·8	− 0·7	303·4	305·6	26th	296·8	295·3	1st	300·1	+0·5	299·5	76	− 58
963	Manokwari	0 52	134 20	19·0	..	1007·9	− 1·4	302·9	304·6	4th	296·2	295·4	6th	299·5	..	298·9	444	+121
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1008·6	− 0·6	303·7	..	..	296·6	..	..	300·1	−0·7	*299·6*	288	+116
967																		
968	Rendova	8 30	157 12	1·8	1006·9	1007·1	− 0·5	..	..	..	..	..	..	..	..	..	826	+395
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·0	1007·2	− 0·6	303·4	307·9	4th	296·6	?292·7	25th	300·0	−0·6	*299·7*	1065	+646
970	Ocean Island	0 52 S.	169 35 E.	25·6	1003·5	1006·4	− 1·5	304·2	304·7	sev. dates	297·2	296·3	8th, 19th	300·7	−0·2	*300·1*	2	−212

MARCH—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1010·5	+ 1·6	301·5	303·7	3rd	295·7	294·8	8th	298·6	−0·8	298·2	367	− 1
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	303·2	306·3	1st	..	..	..	..	..	..	227	−101
1007	Makatea	15 47	148 14	47	1007·3	1012·7	..	303·9	305·5	29th	295·7	292·9	22nd	299·8	−0·5	*299·3*	171	− 44
1021	Arequipa	16 22	71 33	2451	760·9	..	− 0·2	292·2	294·3	17th	282·3	279·7	31st	287·3	−0·2	*286·4*	22	+ 12
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	730·0	..	..	289·6	293·8	5th	281·7	278·0	14th	285·7	..	*285·3*	53	− 42
1025	Corumba	19 0	57 39	116	996·2	1009·5	− 0·4	310·5	312·0	7th, 16th	..	..	..	..	..	*300·9*	157	+ 34
1026	Cuyaba	15 36	56 6	165	990·6	1009·4	0·0	302·5	304·5	7th	297·3	295·9	1st	299·9	−0·7	*299·3*	227	+ 5
1027	Bello Horizonte	19 55	43 55	857	918·6	1014·2	+ 0·7	299·3	302·6	31st	290·1	287·0	21st	294·7	−0·6	*294·1*	110	− 55
1028	Caetite	14 2	42 39	900	914·5	1013·9	− 0·2	301·4	303·7	15th	291·4	289·5	18th	296·4	+0·5	*296·6*	40	− 40
1029	Ondina (Bahia)	13 0	38 30	47·0	1007·1	1012·5	+ 0·4	303·6	305·3	6th	295·8	293·9	13th	299·7	+0·2	*299·1*	174	+ 10
1030	Aracaju	10 55	37 3	4·0	1012·2	1012·6	− 0·2	302·5	303·5	28th	297·1	295·9	4th	299·8	−0·3	*299·9*	80	− 10
1035	St. Helena	15 57	W 5 40	632	944·2	1015·1	− 0·5	296·5	301·9	18th	289·6	287·5	20th	293·1	+0·8	*292·8*	232	+113
1042	Gwelo	19 27	E 29 49	1417	860·1	..	− 1·5	299·9	303·6	17th, 25th	286·2	282·4	21st	293·1	+0·1	..	28	− 43
1043	Salisbury, Rhodesia	17 48	31 5	1457	854·9	..	− 1·8	300·9	304·7	27th	286·6	284·0	31st	293·8	+0·8	..	92	− 30
1044	Zomba	15 23	35 18	‡ 945	904·2	1008·6	− 2·4	299·2	302·4	7th	291·1	289·1	25th, 30th	295·1	+0·5	*294·3*	327	+ 98
1045	Tananarivo	18 55	47 32	1400	862·6	..	− 0·3	298·1	300·6	8th	287·8	285·0	15th	293·0	−0·5	*292·0*	80	−107
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1008·3	1008·9	− 1·7	302·2	304·7	4th	297·1	295·2	21, 22, 23	299·7	−0·9	*299·3*	263	+ 26
1056																		
1057	Christmas Island	10 25	105 43	5·5	1005·2	1005·8	− 2·2	303·3	305·8	..	296·9	295·2	..	300·1	−0·6	*299·5*	340	+ 86
1058																		
1061	Koepang	10 10	123 34	45·1	..	1007·6	− 1·2	303·1	304·2	2nd	296·4	295·1	4th	299·7	..	299·3	267	+ 46
1061*a*	Derby	17 18	123 40	16·2	1005·3	1007·2	− 1·4	307·1	311·3	21st	298·8	294·4	24th	302·9	−0·2	..	101	− 33
1062	Hall's Creek	18 13	127 46	374	965·9	1006·6	− 2·3	309·2	312·4	21st	295·1	290·7	26th	302·1	+0·8	*301·7*	34	+ 50
1063	Port Darwin	12 28	130 51	29·6	1002·4	1005·8	− 1·6	305·2	306·4	15th, 21st	298·2	294·9	3rd	301·7	−0·2	*300·6*	307	− 46
1064	Daly Waters	16 16	133 23	211	981·2	1004·5	− 2·9	307·9	313·0	21st	295·3	292·4	24th	301·6	−0·2	*301·2*	70	− 1
1065	Mein	13 13	142 47	122	991·3	1005·0	− 1·9	305·3	308·8	18th	295·6	293·6	23rd	300·4	+0·4	*299·8*	231	+ 11
1066	Georgetown, Queensland	18 22	143 32	302	974·3	1008·0	− 0·7	305·3	307·8	11th	294·3	289·1	29th	299·8	−0·1	..	141	
1067	Samarai	10 37	150 40	15·2	..	1005·8	− 2·2	302·7	..	..	297·2	..	..	299·9	−0·5	*299·6*	554	+281
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	1007·7	1009·7	− 0·3	303·4	305·2	30th	295·4	294·2	24th	299·4	−0·3	*299·1*	358	− 15
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

MARCH—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	301·2	302·4	9, 23, 28	294·8	293·0	22nd, 25th	298·0	−0·7	*297·7*	315	+ 46
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1010·6	1013·8	− 0·8	292·0	294·4	5th	286·9	285·0	23rd, 30th	289·5	+0·2	*289·3*	1	− 1
1122	Iquique	20 12	70 11	9	1011·6	1012·7	− 0·9	297·4	300·4	9th	287·1	284·8	28th	292·3	−1·0	*292·0*	0	0
1123	Catamarca	28 27	65 47	510	..	1010·7	+ 0·7	303·8	310·1	3rd	289·7	284·0	11th	296·7	−0·8	296·4	57	+ 4
1124	Salta	24 46	65 28	1178	883·8	1013·1	+ 0·2	296·6	305·4	5th	285·8	280·8	9th	291·2	−1·5	291·3	109	+ 6
1125	Goya	29 9	59 15	26	..	1014·0	+ 2·1	305·1	314·1	5th	290·4	283·2	14th	297·7	+0·7	297·4	61	− 78
1126	Asuncion	25 21	57 37	95	‡1003·9	‡1014·9	+ 1·9	304·9	311·8	8th	292·0	286·0	14th	298·5	−1·3	297·4	99	− 4
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1007·2	1014·4	+ 1·5	299·7	305·3	..	294·7	292·5	..	297·2	−1·1	297·0	84	− 55
1139	Windhoek	22 34	E 17 6	1665	..	..	..	296·4	298·9	29th	287·5	285·2	13th	291·9	−2·1	*291·9*	66	− 12
1140																		
1141	Kimberley	28 42	24 47	1202	881·6	..	− 0·5	300·3	305·1	1st	287·8	283·4	17th	294·1	−0·2	293·4	71	− 7
1142	Johannesburg	26 11	28 4	1806	823·9	..	− 0·1	296·8	300·1	6th	285·1	282·4	5th, 19th	290·9	+0·5	*290·4*	39	− 68
1142*a*	Pretoria	25 45	28 12	1338	869·8	..	− 0·2	299·3	302·1	23rd	286·3	283·1	20th, 21st	292·8	−0·3	*292·3*	8	− 83
1143	Durban	29 52	31 3	15·2	1013·4	1015·2	..	300·1	302·4	1st	293·4	290·8	20th	296·8	+0·4	*296·2*	66	− 70
1144	Lorenzo Marques	25 58	32 36	59	..	1013·9	− 1·0	303·0	307·2	23rd	294·0	291·8	23rd	298·5	+0·5	297·9	26	− 53
1147	Mauritius	20 6	57 33	55·2	1003·2	1009·6	− 2·4	301·9	303·1	6, 9, 16	294·3	291·2	29th	298·1	−0·5	297·8	161	− 77
1159	Onslow	21 43	114 57	4·3	1003·6	1004·4	− 3·8	306·5	312·9	3rd	295·3	288·6	15th	300·9	−1·3	..	146	+123
1160	Peak Hill	25 38	118 47	588	941·1	1005·3	− 3·8	304·1	311·2	7th	293·6	278·7	15th	298·8	−2·0	..	96	+ 63
1161	Nullagine	21 53	120 5	386	963·3	1005·4	− 3·1	307·3	312·4	9th	294·4	287·9	31st	300·9	−1·2	..	145	+ 85
1162	Laverton	28 40	122 23	466	958·0	1009·9	− 3·6	302·4	311·9	2nd	290·9	282·3	31st	296·7	−0·7	*296·6*	115	+ 84
1163	Alice Springs	23 38	133 37	587	944·0	1008·1	− 2·5	305·0	312·0	20th	290·3	281·9	24th	297·9	+0·1	*298·2*	3	− 28
1164	William Creek	28 55	136 21	76·2	1002·7	1011·4	− 2·5	304·7	311·3	20th	291·0	284·9	23rd	297·9	+0·2	*297·7*	7	− 10
1164*a*	Boulia	22 55	139 38	146	990·9	1007·3	− 1·2	305·7	311·6	14th	292·1	287·3	24th	298·9	−2·0	*299·2*	103	+ 57
1165	Thargomindah	27 58	143 43	123	995·4	1009·2	..	304·7	311·9	14th	291·9	286·3	23rd	298·3	..	*298·1*	1	− 19
1166	Mitchell	26 32	147 52	336	..	..	..	300·5	307·4	14th	288·0	280·5	24th	294·3	−1·8	..	109	+ 28
1167	Rockhampton	23 24	150 30	11·3	1007·9	1009·2	− 2·4	302·3	306·1	31st	293·3	289·4	28th	297·8	−1·0	*297·2*	218	+ 86
1168	Brisbane	27 28	153 2	11·6	1010·5	1011·8	− 2·6	300·8	306·3	15th	291·4	288·2	31st	296·1	−0·4	*295·2*	71	− 77
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	29 5 S.	167 53 E.	15·2	1011·4	1012·8	− 1·0	296·8	299·0	12th	291·1	285·8	6, 11, 13	293·9	−1·1	*293·5*	355	+247

MARCH—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	293·6	297·8	6th	289·5	287·9	4th	291·5	−0·7	*291·4*	21	− 22
1221*a*	Punta Tumbes	36 37	73 6	91	‡1004·6	‡1015·6	+ 0·2	291·8	297·0	12th, 13th	283·3	280·0	8th	287·5	+0·1	*287·2*	0	− 16
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1009·4	1014·3	− 0·7	294·0	300·7	5th	284·7	281·5	10th	289·3	−1·1	*289·0*	0	− 10
1222*a*	Santiago	33 27	70 42	520	953·6	1013·4	− 0·3	300·4	305·7	13th	281·8	278·4	10th	291·1	+0·6	*290·1*	1	− 4
1223	Cordoba	31 25	64 12	423	965·1	1013·8	+ 1·8	301·1	307·2	..	285·0	278·2	..	293·1	−0·8	292·5	61	− 27
1224	Bahia Blanca	38 45	62 15	25	..	1015·0	+ 2·6	297·6	302·0	sev. dates	286·1	278·0	9th	291·9	−0·9	291·5	23	− 43
1235	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1015·8	+ 1·5	297·4	302·6	18th	287·2	279·6	9th	292·3	−1·6	292·3	57	− 55
1236	Montevideo (Prado)	34 52	56 12	24·9	1013·7	1016·6	+ 1·8	298·1	303·1	22nd	286·3	278·0	10th	292·2	−0·7	292·5	34	− 47
1236*a*	Porto Alegre	30 2	W51 13	23·5	1013·5	1016·2	+ 1·1	300·0	305·8	8th	290·1	286·5	16th	295·1	−0·8	294·7	108	+ 20
1239	Cape Town	33 56	E 18 29	12·2	..	1014·3	− 0·5	298·4	304·9	7th	288·0	284·5	7th	293·2	+0·1	*291·5*	12	− 12
1240	Danger Point	34 37	19 18	19·5	..	..	..	293·7	296·9	1st	288·4	282·4	18th	291·1	..	..	45	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 53	9·8	1011·9	1013·0	− 2·0	296·6	305·2	17th	290·2	286·3	18th	293·4	+0·2	..	81	− 6
1259	Perth (Observatory)	31 57	115 51	60·0	1005·4	1012·7	− 2·6	297·5	304·7	5th	288·1	281·7	13th	292·8	−1·9	*292·3*	14	− 5
1260	Katanning	33 42	117 35	310	977·3	1013·2	− 2·7	295·9	306·6	1st	285·4	278·9	30th	290·7	−1·4	..	36	+ 12
1261	Coolgardie	30 57	121 10	423	963·4	1011·3	− 3·4	299·1	312·1	1st	288·2	280·2	30th	293·7	−1·4	*293·6*	93	+ 74
1262	Eucla	31 45	128 58	4·6	1011·8	1012·5	− 3·8	296·1	312·3	3rd	289·7	284·7	14th, 23rd	292·9	−0·8	*292·3*	34	+ 11
1263	Streaky Bay	32 48	134 13	13·1	1013·2	1014·6	− 2·3	300·5	310·2	3rd	288·3	281·5	16th	294·4	+1·2	*293·7*	23	+ 8
1264	Adelaide	34 56	138 35	42·7	1009·0	1013·8	− 3·2	299·3	307·7	4th	288·4	284·3	31st	293·8	−0·3	*293·3*	64	+ 38
1265	Melbourne	37 49	144 58	35·1	1009·5	1013·6	− 3·4	295·1	302·4	13th	285·8	277·1	24th	290·4	−0·7	289·8	36	− 21
1266	Bourke	30 13	145 58	110	1000·2	1012·7	− 1·5	306·6	313·0	13th, 14th	290·4	284·1	24th	298·5	+0·3	..	6	− 26
1267	Sydney	33 52	151 12	44·5	1007·6	1012·9	− 3·3	298·1	304·8	30th	289·7	284·3	24th	293·9	+0·2	*293·4*	25	−101
1268	Lord Howe Island	31 32	159 4	4·6	1012·2	1012·8	..	298·2	301·0	14th	292·6	288·7	29th	295·4	..	..	119	− 19
1271	Auckland	36 50	174 50	38·1	..	1017·6	..	294·3	295·8	10th, 11th	287·3	285·2	2, 6, 11	290·8	−0·5	..	69	− 8
1272	Napier	39 32 S.	176 53 E.	21·3	..	1020·8	+ 3·9	295·6	303·3	23rd	284·9	281·6	31st	290·2	0·0	..	9	− 83
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

MARCH—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1321	Isla Huafo	43 34	74 45	140	1000·0	1016·9	+ 0·2	287·4	291·7	14th	282·7	280·1	7th	285·1	+0·2	*285·0*	66	+ 4
1322	Punta Galera	40 1	73 44	40	1012·3	1017·1	+ 0·9	289·3	292·2	7th	282·5	279·8	27th	285·9	+0·1	*285·7*	51	− 54
1323	Sarmiento	45 30	69 0	274	..	1009·9	..	294·7	304·0	20th	281·1	272·0	8th	287·9	+0·6	287·5	1	− 15
1324	Puerto Madryn	42 49	W64 58	14	..	1012·0	..	297·5	308·4	14th	284·2	276·4	9th	290·9	+0·5	290·8	6	− 3
1365	Launceston	41 27	E147 10	9·4	1012·0	1013·1	− 1·4	294·9	299·7	5th	283·9	274·6	21st	289·4	+0·3	*288·4*	35	− 10
1366	Hobart	42 53	147 22	53·9	1007·0	1013·5	− 0·5	291·5	297·4	13th	283·7	276·9	24th	287·6	−0·6	*286·6*	52	+ 9
1370	Invercargill	46 25	168 21	5·5	..	..	..	291·1	296·9	12th	281·2	273·0	27th, 28th	286·2	+0·3	..	125	+ 34
1371	Dunedin	45 52	170 31	91·4	..	1012·8	− 1·5	291·5	299·7	16th	283·6	276·3	26th	287·6	+1·7	..	54	− 21
1371*a*	Christchurch	43 31	172 38	7·6	..	1019·0	+ 2·4	292·9	302·9	17th	283·9	277·2	28th	288·4	+0·7	..	39	− 17
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1021·0	+ 4·6	293·3	296·7	19th	286·2	279·4	28th	289·7	+0·9	..	37	− 47
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

MARCH—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	996·3	1003·0	+ 0·5	283·0	285·0	14th	279·6	277·2	4th	281·3	−0·1	*281·3*	465	+159
1422	Puerto de Punta Arenas	53 10	70 54	4	1000·8	1001·3	+ 1·0	286·0	292·4	20th	277·4	272·4	31st	281·7	−0·3	*281·9*	43	0
1423	Punta Dungeness	52 24	68 26	5	1001·5	1002·1	+ 1·0	287·3	293·0	1st	277·0	274·5	22nd, 31st	282·1	+0·5	*283·6*	1	− 22
1424	Santa Cruz	52 22	68 21	12	..	1006·0	+ 2·1	292·7	301·2	19th	279·3	272·0	30th	286·0	+0·2	285·7	1	− 5
1424*a*	Año Nuevo	54 39	64 9	50	992·0	998·1	0·0	283·1	286·0	2nd	278·2	274·3	29th	280·7	+1·2	280·7	28	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	53	− 6
1426	Cape Pembroke	51 41	57 42	21	..	1003·2	+ 2·0	285·0	290·8	20th	277·9	273·0	31st	281·5	+0·4	282·0	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	996·5	997·0	+ 0·2	282·5	291·4	21st	274·7	270·5	11th	278·6	+0·4	*278·7*	69	− 69

MARCH—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	S 60 44	W 44 39	7	987·6	988·5	− 1·8	275·6	278·8	4th	271·2	266·8	11th	273·4	+0·7	273·2	33	− 22
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MARCH 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. *Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Entebbe. 844. Direction and Force.		Malden Island. 905. Direction and Force.	Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction and Force.
	9h.	m/s	9h.	21h.	9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.
1	SSE	6·9	E 6	E 6	S 1	Calm 0	W 2	W 2	E 3	ESE 2	E 6	E 5	SE 1
2	S	—	E 5	E 5	W 1	Calm 0	W 2	W 3	ENE 3	SE 3	E 6	E 6	SE 1
3	SSE	—	E 5	E 5	E 4	SE 1	SW 3	SW 2	E 2	ESE 3	E 5	E 6	NW 2
4	S	5·1	E 6	E 4	N 2	Calm 0	W 3	W 2	E 2	ESE 4	E 5	E 6	SE 2
5	S	—	SE 4	E 4	W 1	SW 1	N 2	W 3	ENE 3	E 4	E 5	E 6	E 1
6	SSE	4·5	E 5	E 4	E 1	E 1	W 3	N 2	E by S 2	SE 1	E 5	E 4	E 2
7	S	3·9	E 4	E 4	N 1	Calm 0	W 3	W 3	E 2	SE 2	E 3	E 3	SE 1
8	S	4·6	E 4	E 4	Calm 0	Calm 0	W 2	N 2	E by N 3	SE 1	E 4	E 5	NW 1
9	S	5·4	SE 5	E 6	N 1	Calm 0	W 3	W 3	ENE 3	SE 1	E 5	E 4	W 1
10	SSE	4·6	SE 5	E 5	S 1	SE 1	W 3	W 3	E by N 4	Calm 0	E 3	E 3	SW 0
11	S	5·3	E 5	NE 5	E 1	E 1	N 2	N 3	NE 4	Calm 0	E 4	E 5	Calm 0
12	SE	5·8	NE 4	NE 5	Calm 0	Calm 0	Calm 0	W 2	E 2	Calm 0	E 3	E 3	Calm 0
13	SSE	6·8	E 5	E 4	NE 2	Calm 0	W 2	S 2	NE 2	SE 2	E 4	E 4	Calm 0
14	SE	6·6	E 4	SE 4	S 1	Calm 0	W 3	N 5	ENE 2	SE 1	E 5	E 4	Calm 0
15	SE	5·8	SE 5	E 4	Calm 0	SW 1	W 3	N 2	E by N 3	Calm 0	E 4	E 3	Calm 0
16	SE	5·1	E 5	E 4	Calm 0	S 2	N 3	SW 2	E 3	NW 2	E 4	E 3	Calm 0
17	SE	2·4	SE 4	ESE 3	Calm 0	Calm 0	Calm 0	W 2	E by S 3	NW 2	E 3	E 3	Calm 0
18	Calm	2·9	E 4	ESE 4	S 1	Calm 0	W 2	N 2	NE 4	NW 6	E 3	E 3	Calm 1
19	SE	4·5	SE 5	E 4	SE 1	Calm 0	W 3	N 2	E 3	WNW 2	E 3	E 3	NE 0
20	SE	7·0	ESE 5	E 4	S 1	SE 1	N 2	W 3	E 3	WNW 4	E 3	E 2	Calm 1
21	ESE	6·9	E 5	E 5	SW 2	Calm 0	SW 2	W 3	E 5	WNW 3	NE 3	ENE 3	SE 2
22	SE	7·2	E 5	ENE 5	NW 1	Calm 0	W 2	SW 3	NE 4	WNW 2	NE 3	NE 2	SW 2
23	E	6·8	ENE 5	E 5	E 1	SE 2	W 3	W 2	NE 3	WNW 6	NE 3	NE 3	NE 1
24	SE	7·8	ENE 5	E 4	Calm 0	Calm 0	W 2	W 3	ENE 3	WNW 8	E 3	E 3	SE 0
25	SE	8·0	E 4	E 5	E 1	Calm 0	W 3	W 2	NE 3	WNW 8	E 3	E 3	Calm 0
26	SE	7·7	E 5	E 5	E 1	Calm 0	W 5	W 2	NE 3	WNW 7	E 3	E 3	Calm 1
27	SE	5·3	ENE 6	E 5	N 1	NE 1	W 3	N 2	ENE 3	WNW 6	E 3	E 3	S 2
28	ESE	4·1	NE 4	NE 5	S 1	Calm 0	W 2	W 2	E 2	WNW 4	E 3	E 3	SE 1
29	SE	2·3	NE 6	NE 4	W 1	W 2	W 3	W 2	E 2	W 2	E 3	E 3	NE 1
30	Calm	3·6	NE 5	NE 4	SE 1	Calm 0	W 3	W 3	ENE 3	W 2	E 3	E 2	NE 2
31	Calm	2·8	NE 4	NE 4	W 1	Calm 0	W 3	W 3	E by N 2	WNW 2	E 3	E 3	NW 0·9
Mean ..	..	5·3	4·8	4·5	1·0	0·5	2·5	2·5	2·9	2·9	3·7	3·6	
†Resultant	150° (81)	..	90° (90)		140° (15)		280° (74)		75° (93)	260° (17)	85° (98)		115° (18)
†Normal	142° (88)	6·4	78° (83)		277° (38)		260° (39)		76° (77)	320° (9)	84° (41)		79° (41)

* Mean velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MARCH 1917.

* *Spitsbergen.*—The ice in Bell Sound was unbroken.

* *Greenland Sea, Iceland and Denmark Strait.*—The coasts of Iceland were free of ice, the normal duration being 9 days with ice visible. The ice edge, consisting of scattered polar ice and some winter ice, was met with in 72° N, 1° W. The ice was being driven rapidly towards the W. At Angmagsalik the ice was lying closely packed, although open sea was occasionally visible and the mouth of the Fjord was often free of ice.

North Atlantic and Labrador.—Some floes and icebergs were observed on the Newfoundland Banks, and an iceberg estimated to be 500 feet in height and 1 mile in length was sighted in 43° N, 50° W.

* *Davis Strait.*—"Storis" was again seen off Cape Farewell and as far N. as Sagdlit, where it remained inshore for a week. Otherwise the sea was free of ice.

**Isforholdene i de Arktiske Have*, 1917, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, APRIL 1917.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF APRIL 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. APRIL—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	1022·4	..	+ 6·0	..	263·9	29th	..	244·6	8th	..	..	*255·3*	3	..
124	Upernivik	72 47	W56 7	18·9	1021·0	1023·5	+ 8·3	..	..	..	251·9	242·5	20th	..	−1·6	*257·0*	25	+ 11
125	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1014·6	1016·2	+ 3·7	..	264·8	15th	242·9	230·2	1st	..	−8·0	250·3	4	− 19
139	Gjesvaer	71 6	25 22	6·5	1004·4	1005·2	− 6·0	..	276·5	16th	267·0	260·3	5th	..	−2·5	*269·8*	55	+ 18
140	Mehavn	71 1	27 47	6·4	1005·1	1005·9	− 3·8	..	277·2	16th	266·2	258·8	4th	..	−2·3	*269·4*	37	− 9
141	Vardö	70 22	31 8	10·0	1005·2	1006·5	− 5·4	..	276·0	16th	267·4	261·9	3rd	..	−1·9	*269·6*	19	− 20
142	Malye Karmakouly	72 23	52 43	14·8	1005·9	1007·8	− 5·2	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24 N.	58 47 E.	11·2	1009·4	1010·9	− 3·0	264·3	276·0	19th	255·0	238·5	6th	259·6	..	*259·7*	4	..

Between Latitude 70° N. and 60° N. APRIL—ZONE 2.

202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1018·3	+ 7·1	270·8	279·7	28th, 29th	261·4	248·6	12th	266·1	+0·7	..	1	− 13
204	Candle	65 55	161 57	2·4	..	..	..	268·3	277·4	28th, 29th	255·1	..	..	261·7	..	..	5	..
205	Tanana	65 10	152 6	69·5	..	1016·9	+ 1·7	278·6	288·6	28th	261·5	246·3	5th	270·1	+1·6	*270·7*	1	− 6
206	Rampart	65 30	150 15	122	..	..	..	280·8	296·9	30th	260·9	244·7	6th	270·9	..	..	2	− 5
207	Valdez	61 7	146 16	8·2	..	1014·5	+ 2·8	280·3	287·4	29th	268·3	259·1	6th, 8th	274·3	+0·2	*273·9*	10	− 72
208	Eagle	64 46	141 12	254	..	1015·2	+ 4·0	279·3	288·0	28th	262·6	248·0	8th	270·9	+0·1	..	2	− 10
209	Dawson	64 4	139 20	328	975·4	1016·1	+ 3·6	281·3	290·2	29th	264·1	248·0	6th, 8th	272·7	+1·3	..	4	− 9
210	Carcross	60 11	134 34	662	..	..	..	278·9	286·3	29th, 30th	264·0	251·9	8th	271·5	−0·4	..	8	0
211	Fort Good Hope	66 25	128 53	65·2	1015·1	1023·8	..	270·2	285·2	17th	255·2	239·7	2nd	262·7	..	..	9	..
212	Fort Simpson	61 52	121 35	129	1003·2	1019·8	..	274·7	281·3	15th, 17th	261·9	245·2	1st	268·3	−2·6	..	15	− 16
213	Hay River	60 51	115 20	161	1000·3	1021·2	..	273·0	283·0	13th	260·2	241·9	3rd	266·6	−3·1	..	3	..
227	Jacobshavn	69 13	51 2	12·6	1022·2	1023·8	+ 9·8	..	..	..	..	..	..	..	+2·3	*265·5*	85	+ 74
228	Godthaab	64 11	51 43	9·0	1018·6	1019·8	+10·8	273·9	279·4	9th	267·7	258·8	18th	270·8	+1·2	*270·4*	21	− 8
229	Ivigtut	61 12	48 10	5·0	1019·9	1020·5	+12·3	..	..	..	271·0	264·6	19th	..	+2·0	*274·4*	78	+ 15
	Angmagsalik	65 37	37 33	31·7	1015·6	1019·6	+10·1	276·0	287·1	12th	263·9	257·6	19th	269·9	+0·2	*269·4*	19	− 47
231	Stykkisholm	65 5	22 46	11·3	1016·0	1017·4	+ 7·4	274·4	282·5	25th	267·0	258·0	10th	270·7	−3·1	*270·7*	31	− 7
232	Vestmanno	63 3	20 15	7·7	1012·7	1013·7	+ 3·9	276·6	282·1	21st	269·5	257·6	1st	273·1	−3·7	*273·3*	57	− 42
232*a*	Grimsey	66 33	17 58	22·0	..	..	..	270·8	279·1	22nd	264·3	255·0	10th	267·5	−3·8	*268·1*	0	− 13
234	Akureyri	65 40	18 4	6·8	1015·8	1016·7	+ 5·0	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1010·8	1013·1	+ 1·5	274·5	282·2	25th	265·7	255·4	10th	270·1	−3·4	*271·0*	27	− 56
236	Thorshavn	62 3	6 45	25·7	1006·3	1009·5	− 1·2	277·2	284·0	22nd	271·2	264·0	1st	274·2	−3·8	*274·4*	100	+ 5
	Lerwick	60 9	W 1 8	18·0	1005·3	1007·3	− 3·9	278·8	282·4	22nd	274·1	268·6	1st, 2nd	276·4	−1·9	*276·3*	68	+ 10
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1000·4	1005·9	− 7·7	..	282·4	22nd	273·0	269·4	3rd	..	−2·8	*275·8*	87	− 9
238	Christiansund	63 7	7 45	17·8	1003·5	1005·7	− 7·5	..	281·8	23rd	273·6	270·9	29th	..	−1·7	*275·9*	48	− 7
239	Trondhjem	63 26	10 25	39·5	1001·1	1006·0	− 7·5	..	283·5	23rd	270·8	264·2	4th	..	−2·1	*274·4*	30	− 27
240	Bodö	67 17	14 24	22·4	1002·2	1005·0	− 7·3	..	278·4	23rd	269·6	263·4	28th	..	−2·4	*272·5*	39	− 8
241	Haparanda	65 50	24 9	9·2	1005·3	1006·5	− 7·0	273·8	279·0	24th	266·1	253·5	4th	269·9	−0·9	*270·2*	48	+ 25
242	Helsingfors	60 10	24 57	11·7	1005·2	1006·7	− 7·7	276·8	283·0	23rd	271·7	263·9	29th	274·3	−0·7	*274·0*	50	+ 15
242*a*	Kuopio	62 54	27 40	90·3	995·1	1006·4	− 7·9	276·6	284·4	22nd	270·1	262·5	30th	273·3	−0·8	*273·3*	39	+ 9
243	Kola	68 53	33 1	6·7	1006·3	1007·2	− 4·8	272·4	284·2	18th	263·5	249·9	9th	268·0	−2·8	*268·6*	36	+ 22
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	5·8	1008·2	1008·9	− 4·7	276·1	287·0	19th	268·2	254·2	5th	272·2	+0·4	*272·2*	46	+ 27
246	Mezen	65 50	44 16	12·6	1007·4	1009·0	− 5·2	275·6	287·5	19th	267·3	253·4	4th	271·4	+0·9	*271·3*	36	+ 25
247	Oust-Tsylma	65 25	52 14	? 70	1002·8	1011·7	− 3·4	276·3	288·6	19th	266·6	252·5	5th	271·4	+0·7	*271·1*	41	..
248	Tcherdyn	60 24	56 31	?177	994·4	1016·4	+ 0·8	281·6	290·0	24th	273·0	263·9	8th	277·3	+3·1	*276·8*	49	+ 29
249	Berezov	63 56	65 1	39·9	1010·2	1015·3	− 0·8	276·0	287·5	25th	265·3	247·0	6th	270·6	+3·2	*270·4*	39	+ 23
250	Obdorsk	66 31	66 35	23·7	1011·9	1015·0	− 0·9	269·3	279·6	21st	259·1	244·4	12th	264·2	+1·5	*264·1*	20	+ 12
251	Sourgout	61 15	73 24	? 40	1011·2	1016·3	− 1·5	..	287·1	25th	264·1	250·6	13th	..	+1·4	*269·6*	60	+ 47
252	Doudinka	69 23	86 4	20	1012·2	1014·8	+ 0·2	..	275·5	28th	251·6	233·8	1st	..	..	*257·1*	21	..
253	Touroukhansk	65 47	87 57	45	1012·0	1017·9	+ 2·4	..	281·8	28th	258·0	237·7	8th	..	+1·7	*264·5*	15	− 2
254	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Iakoutsk	62 1	129 43	108	1002·8	1016·9	+ 2·3	..	278·5	30th	258·0	233·3	4th	..	+1·4	*265·3*	3	− 6
262	Verkhoïansk	67 33	133 23	100	999·9	1013·0	− 1·4	..	280·0	30th	250·0	233·3	5th	..	+3·6	*262·8*	2	− 2
263	Oust-Malskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Markovo-sur-Anadyr	64 45	170 50	25·9	1019·9	1023·3	+ 6·8	266·7	276·6	30th	256·0	241·0	8th	261·3	+4·4	..	2	− 1
271	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

APRIL—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	2·4	..	..	..	277·1	281·3	29th	274·2	268·6	8th	275·7	..	..	68	..
302	St. Paul Island	57 15	170 10	6·1	..	1012·8	+ 3·5	274·4	278·6	3rd	263·5	257·4	12th	268·9	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	..	..	276·4	279·7	sev. dates	271·2	266·3	12th	273·8	−0·8	*273·7*	51	− 33
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Experiment Stn.)	57 48	152 22	47·2	..	..	..	278·7	286·3	30th	272·9	268·6	9th	275·8	..	..	96	+ 3
309	Sitka	57 3	135 19	27·4	..	1012·8	− 0·6	283·4	293·0	29th	273·8	270·2	2nd	278·6	+0·5	*278·6*	22	−13
310	Prince Rupert	54 18	130 18	51·8	1003·9	1010·3	− 3·1	283·0	290·8	27th	275·2	270·8	3rd	279·1	−0·6	*278·9*	125	− 79
311	Barkerville	53 2	121 35	1274	865·9	..	..	277·4	280·8	28th	267·4	258·0	1st	272·4	−2·0	*272·3*	30	− 20
312	Kamloops	50 42	120 29	385	970·7	1017·0	− 0·5	287·4	293·0	15th	274·7	265·8	1st	281·1	−1·7	*280·9*	21	+ 12
313	Calgary	51 2	114 2	1045	893·8	..	..	281·9	289·7	7th	268·6	260·8	1st	275·2	−2·2	*274·4*	23	+ 4
314	Fort Chipewyan	58 42	111 10	218	993·5	1021·1	..	275·2	281·3	24th	264·1	244·7	2nd	269·7	−1·4	*270·6*	15	+ 3
315	Prince Albert	53 10	106 0	442	965·8	1020·4	+ 6·2	278·0	284·1	30th	266·9	249·7	3rd	272·4	−2·9	*272·2*	26	+ 15
316	Qu'Appelle	50 30	103 47	645	940·0	1018·3	+ 3·7	277·4	283·0	20th	268·6	256·9	1st	273·0	−2·9	272·4	44	− 4
317	Minnedosa	50 15	99 50	515	957·5	1020·6	+ 4·2	278·0	282·4	9, 19, 20	268·0	259·1	1st, 2nd	273·0	−3·1	*272·4*	22	− 15
318	Berens River	52 18	97 23	216	..	..	..	276·8	290·8	16th	264·7	245·2	3rd	270·7	−1·1	..	5	..
318*a*	Port Nelson	57 4	92 36	14·9	1024·6	1026·5	..	266·9	275·8	24th	255·2	242·4	5th	261·1	..	..	5	..
319	Fort Hope	51 33	87 49	‡260	988·8	1021·7	..	273·6	280·2	28, 29, 30	259·7	245·2	9th	266·6	−5·8	*267·6*	..	−19
320	Moose Factory	51 14	80 30	9·1	1018·4	1019·6	+ 2·0	273·0	279·7	2, 27, 28	263·0	251·9	10th	268·0	−2·6	..	4	..
321	Fort George	53 50	79 5	97·5	..	..	..	271·9	280·8	27th	261·9	248·0	10th	266·9	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	275·1	281·3	28th	265·5	251·3	10th	270·3	..	..	83	..
323	Hebron	58 12	62 21	15·0	1022·2	1024·1	+11·1	..	..	..	266·6	253·6	..	..	..	*269·9*	..	..
324	Natashquan	50 8	61 48	?	..	..	..	277·5	280·8	30th	270·9	263·0	21st	274·2	..	..	83	+ 15
326	Belle Isle	51 53	55 23	133	999·0	1015·8	+ 4·0	274·7	277·4	2nd	270·8	260·2	21st	272·7	+2·4	*272·6*	84	− 40
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1016·4	1018·1	+ 5·0	282·8	287·4	21st, 30th	276·8	271·3	2nd	279·8	−2·1	280·0	37	− 7
335	Aberdeen	57 10	2 6	26·8	1006·7	1010·1	− 2·4	280·3	287·4	22nd	274·5	268·0	2nd	277·4	−2·1	277·4	41	+ 1
336	Greenwich	51 28	W 0 0	**	1007·7	1013·5	+ 0·1	283·7	290·8	28th	274·2	269·7	7th	278·9	−3·0	*278·6*	44	..
337	Uccle	50 48	E 4 22	100	1000·4	1012·8	− 1·3	282·6	291·7	30th	273·7	270·7	2nd	278·1	−3·6	277·7	68	+ 15
338	De Bilt	52 6	5 11	3·0	1011·7	1012·1	− 2·1	281·7	286·7	30th	274·0	267·8	11th	277·9	−3·4	277·6	52	− 2
338*a*	Hamburg	53 33	9 58	26·0	1007·1	1010·3	− 2·8	281·4	288·5	15th	274·7	270·0	11th	278·1	−2·7	*277·8*	67	+ 27
339	Copenhagen	55 41	12 36	5·0	1007·5	1008·1	− 5·6	279·2	283·2	23rd	274·2	269·9	3rd	276·7	−1·9	*276·7*	32	− 1
340	Potsdam	52 23	13 4	84·9	1000·3	1010·8	− 3·3	283·0	288·5	30th	273·9	270·6	17th	278·5	−2·7	278·1	32	+ 19
340*a*	Upsala	59 51	17 38	24·0	1003·1	1006·1	− 7·7	278·1	285·7	24th	269·9	261·9	6th	274·0	−2·0	273·8	47	+ 6
341	Warsaw	52 13	21 1	133	993·5	1009·8	− 4·5	282·4	293·9	16th	274·5	270·7	29th	278·5	−2·6	278·0	78	+ 9
342	Jurjev	58 23	26 43	74·5	998·6	1007·9	− 6·0	279·7	289·3	22nd	272·5	267·4	29th	276·1	−0·8	275·6	36	..
343	Petrograd	59 56	30 16	4·8	1007·0	1007·6	− 6·7	279·4	289·7	17th	273·0	267·9	30th	276·2	+0·9	*275·9*	40	+ 14
344	Kiev	50 27	30 30	183	989·5	1011·7	− 2·9	286·2	295·6	16th	276·9	271·6	27th	281·6	+1·1	*281·0*	81	+ 35
344*a*	Moscow	55 50	37 33	167	991·1	1011·6	− 4·9	282·9	293·5	17th	275·1	269·3	30th	279·0	+2·5	*278·8*	49	+ 12
345	Saratov	51 32	46 3	59·9	1010·2	1017·6	+ 0·4	..	294·4	15th	..	..	..	..	+3·6	*282·0*	14	− 12
346	Kazan	55 47	49 8	79·9	1008·6	1018·5	+ 1·6	285·0	292·5	18th	276·2	271·2	6th	280·6	+4·1	*280·1*	12	− 2
347	Orenburg	51 45	55 6	109	1009·5	1022·9	+ 4·8	288·6	298·3	29th	275·8	269·0	28th	282·2	+5·7	*282·1*	1	− 2
348	Perm	58 1	56 16	163	999·0	1019·2	+ 2·9	283·4	293·1	24th	274·4	265·5	8th	278·9	+3·9	*278·5*	26	− 4
349	Ekaterinburg	56 49	60 38	281	985·4	1019·8	+ 1·9	284·6	295·0	24th	273·8	267·0	6th	279·2	+4·8	*279·1*	19	+ 4
350	Tobolsk	58 12	68 14	?108	1005·8	1019·3	0·0	281·0	293·5	25th	272·3	260·4	9th	276·6	+3·2	*276·3*	15	− 2
351	Akmolinsk	51 12	71 23	?347	982·2	1024·9	+ 2·6	..	293·9	30th	271·4	265·2	9th	..	+3·1	*277·0*	6	− 2
352	Omsk	54 58	73 23	87·9	1009·4	1020·4	− 0·2	..	292·8	26th	271·8	266·2	9th, 24th	..	+4·4	*277·2*	15	+ 12
353	Barnaoul	53 20	83 48	162	1001·4	1021·6	− 0·3	281·4	291·6	28th	271·6	263·8	25th	276·5	+2·6	*276·4*	..	..
354	Tomsk	56 30	84 58	122	1003·5	1018·9	− 1·3	..	287·8	28th	270·1	263·6	25th	..	+2·5	*274·1*	37	+ 17
355	Minousinsk	53 43	91 41	249	989·4	1020·2	− 1·1	..	292·5	28th	270·7	264·8	26th	..	..	*276·0*	12	+ 1
356	Eniseisk	58 27	92 10	77·6	1008·2	1018·1	− 0·5	..	287·2	28th	267·0	253·8	14th	..	+0·9	*272·2*	35	− 8
357	Irkutsk	52 16	104 19	467	962·0	1019·2	− 0·4	..	291·2	29th	267·8	261·8	4th	..	+0·4	*274·5*	8	− 9
358	Kirensk	57 47	108 7	263	985·5	1018·5	+ 1·6	..	292·3	29th	263·4	242·8	3rd	..	+0·5	*271·7*	11	− 2
359	Tchita	52 2	113 30	687	932·3	1015·0	+ 0·3	..	286·4	23rd	265·9	253·0	3rd	..	+0·2	*273·4*	1	..
360	Blagoveshchensk Priisk	58 10	114 19	490	957·1	1018·8	+ 0·9	..	284·0	29th, 30th	258·7	239·6	3rd	..	..	*266·1*	7	..
360*a*	Nertchinskii Zavod	51 19	119 37	626	938·2	1013·9	+ 0·1	..	288·2	24th	266·7	255·3	3rd	..	+0·5	*273·0*	13	..
361	Tygan Ourkan	54 5	124 46	379	966·2	1013·1	..	277·2	285·6	20th	263·6	251·9	7th	270·4	..	*270·8*	18	− 4
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	993·0	1010·7	− 0·3	280·6	292·1	24th	269·4	258·4	4th	275·0	+0·1	*274·9*	19	..
363	Paikanskii Sklad	50 11	130 7	145	991·1	1009·3	..	279·6	290·1	25th	264·4	250·5	5th	272·0	..	*272·1*	5	+ 4
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1007·8	1010·4	− 0·3	..	276·0	26th	262·4	254·1	14th	..	−1·4	*268·6*	33	+ 2
366	Okhotsk	59 21	143 12	6·0	1014·2	1015·0	+ 1·2	270·9	278·3	30th	262·7	251·4	2nd	266·8	+0·6	*267·2*	11	+ 1
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1009·8	1011·5	+ 3·8	275·8	282·4	21st	268·5	257·4	3rd	272·1	..	*271·8*	76	..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

** Height changed from 48·5 m. to 46·3 m. from April 3rd.

‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

APRIL—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1006·4	1015·0	− 2·3	284·1	291·3	27th	278·0	274·7	22nd	281·1	−0·3	280·4	61	+ 17
412	Portland, Oregon	45 32	122 41	46·6	1011·5	1016·9	− 0·8	286·3	292·4	28th	279·0	275·8	15th	282·7	−1·6	*282·1*	136	+ 58
413	Macleod	49 44	113 24	953	..	..	..	281·3	287·4	9th, 12th	270·6	263·6	1st	275·9	−3·2	*276·1*	43	+ 29
414	Helena	46 34	112 4	1253	871·5	1015·2	+ 0·6	281·7	292·4	8th	271·8	265·2	1st	276·8	−2·9	*276·5*	38	+ 10
414*a*	Salt Lake City	40 46	111 54	1329	864·7	1012·8	− 0·1	285·6	295·8	8th	275·6	268·6	3rd	280·6	−2·1	*281·0*	38	− 13
415	Cheyenne	41 8	104 48	1856	809·7	1014·5	+ 1·2	281·3	291·9	9th	269·6	258·6	1st	275·4	−2·8	*275·5*	44	0
416	North Platte	41 8	100 45	859	915·6	1015·6	+ 1·9	286·7	300·2	9th	273·4	267·4	8th	280·1	−2·4	*280·0*	50	− 4
416*a*	Bismarck	46 47	100 38	511	957·5	1019·3	+ 3·8	281·9	293·0	9th	271·3	264·7	2nd	276·6	−2·3	*276·6*	47	+ 5
417	Winnipeg	49 53	97 7	232	991·5	1020·4	+ 3·4	279·7	287·4	27th, 28th	269·7	263·6	3rd, 5th	274·7	−1·5	*274·4*	6	− 32
418	Duluth	46 47	92 6	345	976·5	1018·9	+ 2·7	277·1	282·4	17th	270·3	265·2	8th	273·7	−2·6	*273·5*	35	− 10
419	Port Arthur	48 27	89 12	196	994·8	1019·3	+ 2·4	278·6	283·0	22nd	269·1	261·9	9th	273·8	−0·6	*273·9*	17	− 22
420	Chicago	41 53	87 37	251	985·7	1016·2	+ 0·3	283·4	300·8	18th	276·8	271·9	13th	280·1	−0·9	*279·7*	66	− 4
421	Toronto	43 40	79 24	116	1001·0	1015·4	− 0·3	282·4	291·3	18th, 20th	274·1	266·3	9th	278·3	+0·1	277·7	86	+ 25
422	New York (Central Park)	40 46	73 58	30·2	1010·7	1014·4	− 1·3	286·6	301·3	1st	277·6	270·8	9th	282·1	−0·9	281·6	69	− 17
423	St. John, N.B.	45 17	66 4	36·2	1007·0	1011·5	− 1·8	279·7	285·8	20th	272·4	267·4	1st, 10th	276·1	−0·8	275·8	102	+ 13
424	S.W. Point, Anticosti	49 24	63 33	9·1	1012·7	1013·8	+ 1·5	276·3	279·7	8, 13, 29	271·3	267·4	1st, 21st	273·8	+1·2	*273·8*	97	+ 63
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1010·3	1011·2	− 3·0	276·9	280·2	24th	274·1	271·9	1st	275·5	−0·6	*275·3*	72	− 21
425	Port aux Basques	47 35	59 10	9·1	1010·5	1011·6	− 1·9	278·6	286·3	28th	273·0	266·3	21st	275·8	+2·2	*275·8*	79	− 15
426	St. John's, Newfoundland	47 34	52 42	38·1	1003·2	1007·9	− 3·4	279·1	289·7	24th	273·0	267·4	22nd	276·1	+1·2	*275·8*	223	+118
435	Madrid	40 24	3 41	655	939·0	1015·5	+ 0·4	291·3	297·6	22nd	275·8	270·2	16th	283·5	−1·7	283·1	48	+ 5
436	Nantes	47 15	W 1 34	36·5	1011·6	1016·1	+ 1·5	285·5	294·3	29th	275·5	271·4	8th	280·5	−3·2	280·5	51	+ 4
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1008·7	1014·9	+ 0·2	285·0	294·8	30th	274·5	271·2	11th	279·7	−3·6	279·3	60	+ 16
438	Marseilles	43 18	5 23	74·8	1003·7	1012·8	+ 0·1	289·1	294·8	28th	278·4	273·9	4th	283·8	−2·2	283·4	36	− 11
438*a*	Zürich	47 23	8 33	493	956·0	1015·4	+ 0·9	283·3	295·8	30th	274·5	271·4	18th	278·9	−3·6	278·2	70	− 21
439	Rome	41 54	12 27	45	1007·2	1012·6	− 0·3	289·8	294·0	14th	280·4	276·5	21st	285·1	−1·6	*285·1*	43	− 25
440	Vienna	48 15	16 22	203	986·7	1011·4	− 2·2	283·1	292·9	30th	270·0	272·1	3rd	279·5	−3·0	279·4	102	+ 52
440*a*	Buda-Pesth	47 31	19 1	130	995·5	1011·1	− 2·3	287·1	296·8	30th	277·3	272·9	5th	282·2	−1·5	*281·9*	51	− 7
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1001·8	1011·7	− 2·6	292·6	302·2	15th	278·3	273·2	20th	285·4	+0·7	285·0	37	− 10
443	Odessa (University)	46 29	30 44	65·3	1004·7	1012·7	− 2·2	286·3	289·8	5th	278·8	274·5	18th	282·6	+0·8	*282·1*	17	− 8
444	Kharkov (University)	50 0	36 14	140	997·0	1014·0	− 2·4	287·7	298·4	17th	277·0	270·2	27th	282·4	+1·9	*281·9*	35	0
444*a*	Novorossiisk	44 44	37 49	37·1	1010·0	1014·5	− 0·4	290·4	296·5	3rd	281·8	277·2	1st	286·1	+2·2	*285·6*	12	− 37
445	Tiflis	41 43	44 48	404	968·3	1015·3	− 0·9	297·7	303·6	4th	283·4	279·1	2nd	290·6	+5·1	*289·8*	40	− 15
446	Astrakhan	46 21	48 2	−13·8	1019·2	1017·5	+ 1·2	291·3	298·0	18th	281·0	274·7	2nd	286·2	+3·6	*285·6*	9	− 3
447	Fort Alexandrovsk	44 30	50 16	24	1012·3	1015·2	− 0·6	..	297·6	14th	283·3	271·1	1st	..	+5·1	*287·4*	0	− 14
448	Krasnovodsk	40 0	52 59	−14·6	1016·6	1014·9	− 0·7	297·8	304·0	29th	286·5	282·3	6th	292·2	+5·5	*292·1*	..	..
449	Aralskoe More	46 47	61 42	57·0	1018·2	1025·2	+ 5·7	291·9	302·1	30th	276·9	270·2	9th	284·4	+5·6	*284·9*	0	..
450	Tachkent	41 20	69 18	479	960·3	1016·0	− 0·2	297·7	308·3	29th	280·5	267·6	21st	289·1	+2·0	*289·0*	0	− 56
451	Naryns'koe	41 26	76 0	?2015	795·1	..	..	..	296·2	30th	270·8	263·0	21st	..	−0·9	*278·3*	3	..
452	Vernyi	43 16	76 53	?825	922·8	1019·2	+ 3·2	288·4	300·1	29th	275·4	269·0	21st	281·9	..	*281·2*	29	..
461	Mukden	41 48	123 13	43·8	1006·8	1012·2	− 2·3	289·3	296·8	24th, 26th	274·1	266·8	4th	281·7	+0·4	281·6	3	− 23
462	Joshin	40 40	129 11	4·0	1011·2	1011·7	− 2·1	284·5	292·2	2nd	275·1	271·5	11th	279·8	−0·5	279·3	16	− 10
463	Yuki	42 20	130 24	65·6	1003·6	1011·8	..	283·6	290·8	25th	274·6	269·7	5th	279·1	..	278·8	12	..
464	Vladivostok	43 7	131 55	128	996·0	1011·9	− 2·5	280·7	287·8	27th	273·8	268·7	5th	277·3	−0·6	276·9	33	+ 2
465	Ochiai	47 20	142 44	6·6	1008·2	1009·0	− 2·5	276·9	284·2	25th	268·6	263·6	6th	272·7	−0·3	273·1	54	+ 4
466	Nemuro	43 20	145 35	26·7	1007·1	1010·4	− 3·3	279·3	286·1	27th	272·5	270·1	19, 20, 25	275·9	−0·2	275·7	81	+ 8
466*a*	Syana	45 14 N.	147 53 E.	39·3	1005·2	1010·1	− 3·2	277·9	287·0	27th	270·6	265·3	6th	274·3	−0·1	274·2	78	+ 13
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N.

APRIL—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1011·9	1017·6	0·0	289·8	297·4	4th	281·9	279·1	16th	285·8	−0·3	*284·8*	8	− 29
512	San Luis Obispo	35 18	120 39	61·3	1010·7	1018·3	+ 0·8	292·8	302·4	5th	279·4	273·0	17th	286·1	−0·1	*285·6*	3	− 33
513	San Diego	32 43	117 10	26·5	1012·5	1015·6	− 0·2	290·3	299·1	5th	283·4	279·7	1st	286·9	−1·0	*286·6*	27	+ 10
514	Modena	37 48	113 54	1670	830·2	1011·8	− 0·5	287·1	296·9	25th	270·7	264·1	1st	278·9	−2·1	*278·7*	30	+ 7
515	Santa Fé	35 41	105 57	2138	783·5	1009·5	− 1·3	287·2	294·1	24th	274·4	266·3	4th	280·8	−0·8	*280·9*	4	− 20
516	Denver	39 45	105 0	1613	834·3	1013·5	+ 1·2	285·9	297·4	22nd	273·3	264·7	1st	279·6	−2·1	*279·6*	19	− 34
517	Abilene	32 23	99 40	530	951·4	1012·2	− 0·8	298·2	308·0	24th	283·3	274·1	5th	290·8	−0·5	*290·5*	24	− 42
518	Saint Louis	38 38	90 12	173	993·9	1014·5	− 0·8	290·1	301·9	23rd	280·0	271·9	9th	285·1	−1·7	*284·7*	118	+ 28
519	Mobile	30 41	88 2	17·4	1013·9	1015·9	− 0·9	297·1	301·9	24th	287·3	279·1	10th	292·2	+0·1	*291·9*	64	− 59
520	Nashville	36 10	86 47	166	999·0	1015·9	− 0·5	294·9	303·0	18th	281·9	273·0	9th	288·4	+0·2	*288·3*	103	− 8
521	Charleston	32 47	79 56	14·6	1014·2	1015·9	− 1·4	297·3	306·3	20th	287·8	280·2	10th	292·6	+1·7	*292·4*	25	− 49
522	Washington	38 54	77 3	34·1	1010·8	1014·9	− 1·4	290·8	302·4	21st	279·8	270·8	9th	285·3	+0·3	*285·0*	55	− 26
523	Bermuda	32 18	64 46	46·0	1009·8	1015·3	− 1·9	293·2	295·1	13th	287·7	283·8	11th	290·4	−0·9	*290·2*	48	− 50
524	Santa Cruz (Flores)	39 27	31 9	28	1011·5	1014·6	− 6·3	290·0	291·6	5th	284·0	281·5	22nd	287·0	−1·1	*286·9*	101	− 8
530	Horta	38 32	28 38	65	1007·2	1014·5	− 5·8	290·4	292·7	3rd, 6th	286·3	282·2	14th	288·3	−0·6	288·1	134	+ 57
531	Ponta Delgada	37 44	25 40	22	1013·5	1015·4	− 5·0	289·5	291·7	6th	286·1	282·4	15th	287·8	−0·4	287·7	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	281	+189
532*a*	Madeira (Funchal)	32 37	16 54	25	1014·0	1017·0	− 1·7	290·5	293·2	30th	286·0	283·0	15th	288·2	−1·4	*288·2*	248	+200
533	Lisbon	38 43	9 9	95	1004·5	1016·0	+ 0·1	290·8	298·2	26th	283·4	279·1	2nd	287·1	−0·4	*286·8*	49	− 25
534	Gibraltar	36 6	5 21	16·2	1014·5	1016·4	− 0·3	290·6	295·8	23rd	284·4	281·3	6, 7, 9	287·5	−1·6	*287·2*	9	− 59
535	Melilla	35 18	2 59	8	‡1016·2	‡1017·2	− 0·9	291·4	293·4	17th	282·8	281·0	7th	287·1	−2·7	*288·4*	8	− 49
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

‡ *See* "Remarks," page 108.

APRIL—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 38	23	1012·2	1015·0	+ 1·0	289·9	294·6	21st	281·1	277·0	24th	285·5	−2·6	..	16	− 21
538	Algiers (Bouzaréah)	36 48	3 2	344	975·0	1015·9	+ 0·9	288·4	295·5	29th	281·9	278·7	23rd, 24th	285·1	−1·6	284·7	34	− 19
539	Tunis	36 48	10 10	33	‡1010·4	‡1014·3	+ 1·0	293·2	300·8	3rd	282·9	277·0	25th	288·1	−0·5	287·5	12	− 26
539a	Malta	35 53	14 31	56·4	..	1014·6	+ 0·4	290·7	295·0	4th	285·3	282·3	1st	288·0	−0·4	287·2	25	+ 5
540	Riposto	37 41	15 14	14·2	..	1015·8	+ 0·6	290·5	292·3	16th	284·5	281·6	21st	287·5	−1·7	286·5	9	− 34
541	Athens	37 58	23 43	107	1000·2	1013·1	0·0	291·7	296·3	16th	284·6	280·6	21st	288·1	0·0	287·8	46	+ 24
542	Alexandria	31 12	29 53	32·0	1011·3	1015·1	+ 1·0	297·8	312·0	24th	288·7	284·7	15th	293·3	+1·4	292·5	1	− 3
543	Cairo (Helwan)	29 52	31 20	116	999·9	1013·5	+ 0·5	302·6	316·8	25th	288·3	284·2	30th	295·5	+1·0	294·8	0	− 6
544	Nicosia (P.W.D.)	35 9	33 22	159	994·2	1013·2	+ 1·2	298·1	306·3	25th	283·8	279·1	3rd	290·9	+1·8	..	2	− 20
544a	Beirut	33 54	35 28	33·7	..	1015·3	+ 2·8	296·0	306·0	25th	289·4	286·6	30th	292·7	+1·4	292·5	9	− 42
545	Baghdad	33 21	44 28	38·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
546	Busrah	30 31	47 53	7·6	1009·7	1010·8	− 2·7	308·5	315·6	2nd	292·1	288·4	3rd	300·3	+3·7	..	1	− 11
546a	Lenkoran	38 46	48 51	−19·3	1018·0	1015·7	− 0·2	..	295·5	17th	284·1	278·5	2nd	..	+3·1	288·1	0	− 53
547	Teheran	35 41	51 25	1220	..	..	..	300·8	306·1	30th	289·9	286·8	18th	295·4	+6·9	295·7	0	− 29
548	Meshed	36 16	59 35	946	..	..	..	299·6	306·0	30th	278·4	274·4	11th	289·0	+1·8	..	0	− 44
549	Seistan	31 0	61 30	?	..	..	..	302·9	307·9	24th	287·1	280·2	1st	295·0	..	..	0	..
550	Quetta	30 11	67 3	1677	830·9	..	− 2·1	296·7	299·7	24th, 25th	279·1	275·0	15th	287·9	−0·6	288·2	3	− 24
551	Peshawar	34 2	71 37	339	970·6	1009·5	− 1·2	302·6	306·6	3rd	287·5	283·6	11th	295·1	−0·7	294·9	3	− 43
551a	Lahore	31 34	74 20	214	983·2	1007·7	− 0·1	304·1	310·3	5th	289·2	284·0	2nd	296·6	−3·8	296·3	34	+ 21
552	Simla	31 7	77 8	2205	779·1	..	− 1·8	287·5	292·4	27th	280·1	273·0	22nd	283·8	−3·8	284·1	197	+153
552a	Leh	34 10	77 42	3503	663·8	..	− 2·4	283·9	289·0	4th	270·3	265·8	21st	277·1	−1·9	276·5	7	+ 1
559	Hankow	30 35	114 17	37·0	1009·5	1013·9	− 1·6	294·7	302·6	5th	286·2	282·3	12th	290·5	+0·8	290·2	57	− 83
560	Tientsin	39 10	117 10	5·0	1013·0	1013·6	− 1·7	293·8	300·5	3rd	280·2	275·2	5th, 7th	287·0	+0·3	286·3	0	− 13
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1013·6	− 2·1	294·2	302·5	5th	282·8	278·6	29th	288·5	+0·9	287·3	34	− 62
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1005·6	1013·9	− 1·2	287·2	292·4	13th, 24th	278·8	275·9	8th	283·0	−0·2	282·3	27	− 51
562a	Nagasaki	32 44	129 52	133	997·3	1013·3	− 2·1	291·3	295·2	5th	282·6	278·0	1st	287·0	−0·8	286·4	124	− 67
563	Kioto	35 1	135 44	42·9	1008·2	1013·4	− 1·9	291·8	297·8	19th	278·7	274·1	9th, 22nd	285·2	−0·1	285·1	82	− 84
564	Tokio	35 41	139 45	21·3	1009·9	1012·5	− 2·9	290·7	295·1	20th	281·0	275·5	26th	285·8	+0·1	285·7	81	− 50
565	Kanayama	37 53	140 46	24·6	1009·3	1012·3	− 3·1	288·6	295·8	7th	277·1	271·9	26th	282·9	+0·2	282·7	52	− 42
566	Miyako	39 38	141 59	30·4	1007·7	1011·4	− 3·6	289·2	298·0	27th	276·2	271·7	14th	282·7	+0·8	282·0	70	− 29
		N.	E.															

APRIL—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1017·4	1018·7	+ 0·6	298·9	300·2	..	293·1	291·3	..	296·0	+0·3	295·9	41	− 8
614	La Paz	24 10	110 20	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	821·3	..	+ 0·5	..	304·0	30th	..	281·0	7th	..	−0·2	293·5	1	− 5
616a	Monterry	25 40	100 19	535	951·4	1011·6	..	..	310·8	28th	..	282·8	6th	..	..	295·9	5	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	299·5	..	..	279·0	..	..	+0·8	291·4	25	− 12
618	Galveston	29 18	94 50	16·5	1013·1	1015·2	− 0·1	295·5	301·3	12th	290·2	283·6	9th	292·9	−0·7	292·7	37	− 44
618a	New Orleans	29 58	90 4	16·2	..	1015·6	− 0·5	297·8	303·0	29th	288·4	281·9	9th	293·1	−0·1	292·8	104	− 25
619	Merida, Yuc	20 58	89 41	22	1010·8	1013·3	..	..	307·6	17th	..	291·8	10th	..	..	‡299·7	10	..
620	Havana	23 8	82 21	24·3	..	1015·4	− 0·6	300·0	303·4	8th	293·1	290·8	7th	296·5	−0·3	296·7	26	− 32
620a	Key West	24 33	81 48	6·7	1014·5	1015·2	− 1·3	299·9	301·3	30th	293·7	291·9	7th	296·8	−0·3	296·9	27	− 3
621	Nassau, Bahamas	25 5	77 21	3·7	..	1017·4	− 0·1	298·9	300·8	9, 15, 28	293·8	290·8	9th	296·3	−0·3	296·2	78	+ 11
622	Watling Island	24 6	74 26	33·5	1011·3	1015·2	− 1·4	..	299·7	24th	..	293·6	2nd, 12th	..	..	296·2	..	..
633	Izaña	28 19	16 30	2367	765·6	..	..	283·5	288·6	23rd	275·3	270·5	4th	279·4	..	278·6	13	..
634	La Laguna	28 28	16 20	547	951·7	1015·1	− 3·6	292·1	294·8	25th	282·8	277·2	7th	287·5	0·0	286·9	31	− 28
637	Insalah	27 8	W 2 27	?280	..	..	..	..	..	..	..	..	..	..	..	..	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	998·1	1009·5	− 1·6	310·1	317·3	25th	292·7	289·4	8th	301·4	+2·0	300·7	..	..
644	Tor	28 14	33 37	1·9	1010·3	1010·5	− 0·5	301·8	311·0	25th	289·8	285·6	11th	295·8	+0·8	295·2	..	..
647	Bushire	28 59	50 53	4·3	1008·8	1009·5	− 2·1	301·3	306·5	17th	293·4	289·6	2nd	297·4	+0·9	296·7	0	− 12
648	Jask	25 44	57 47	4·0	1008·2	1008·6	− 1·7	303·9	309·9	25th	294·8	292·1	2nd, 10th	299·4	−0·2	298·7	0	− 2
649	Robat	29 45	60 55	?	1006·4	..	..	305·3	309·1	25th	288·3	283·7	11th	296·8	..	..	0	..
649a	Karachi	24 53	66 57	4·0	1008·1	1008·6	− 0·5	302·2	304·8	30th	296·7	293·4	1st	299·4	−0·1	298·7	10	+ 6
650	Hyderabad, Sind	25 24	68 18	29·3	1003·7	1007·0	− 1·1	310·2	313·7	25th	294·4	289·4	1st	302·3	−1·3	301·6	10	+ 9
650a	Jacobabad	28 17	68 29	56·7	1000·5	1006·9	− 0·6	310·7	315·5	18th	293·8	287·6	1st	302·2	−0·1	301·7	0	− 4
651	Jaipur	26 56	75 52	436	959·8	1008·4	− 0·3	307·3	311·2	27th	291·8	286·6	2nd	299·6	−3·6	299·6	16	+ 11
652	Nagpur	21 8	79 5	310	973·9	1008·2	0·0	310·6	312·8	19th	295·5	291·7	3rd	303·0	−2·5	302·8	2	− 12
653	Allahabad	25 25	81 51	94·1	997·1	1007·7	+ 0·4	309·4	312·9	27th	292·8	288·9	4th	301·1	−2·8	300·8	0	− 4
653a	Darjiling	27 3	88 18	2266	773·6	..	− 2·1	290·8	296·7	30th	281·3	279·1	21st	286·1	0·0	286·4	22	− 71
654	Calcutta	22 36	88 23	6·4	1006·5	1007·2	− 1·0	309·1	312·5	28th	297·2	294·3	23rd	303·2	+0·3	302·7	51	+ 6
655	Gauhati	26 8	91 41	59·7	1001·9	1008·7	− 1·1	304·4	309·6	30th	291·8	288·9	3rd	298·1	+0·1	297·0	169	+ 6
655m	Cherrapunji	25 15	91 42	1314	866·8	..	− 1·1	294·6	298·9	29th	286·9	278·6	13th	290·7	−0·4	290·0	365	−478
655a	Akyab	20 11	92 56	6·1	1008·7	1009·4	− 1·0	305·8	310·1	26th	294·4	290·3	18th	300·1	?−1·6	299·8	54	+ 10
656	Mandalay	21 59	96 0	76·2	999·5	1008·1	− 0·9	312·0	316·7	30th	296·8	293·5	17th	304·4	−0·8	303·9	5	− 24
656a	Tengyueh	24 59	98 35	1633	831·8	..	..	293·4	298·0	29th	281·0	278·6	4th, 29th	287·2	..	287·0	82	..
657	Phu Lien	20 48	106 37	116	995·0	1008·5	− 2·2	298·0	302·6	12th	292·6	286·8	4th	295·3	−0·8	294·6	65	− 11
658	Moncay	21 31	107 51	9	1007·9	1008·9	− 2·0	298·7	303·6	25th	292·3	286·4	30th	295·5	−0·3	294·7	95	− 6
659	Hong Kong	22 18	114 10	33·2	..	1010·2	− 2·4	296·1	300·0	23rd	292·1	288·2	30th	294·1	−0·5	293·8	133	− 3
660	Amoy	24 27	118 4	ca.3	1012·0	1012·4	− 2·6	293·9	298·0	6th, 23rd	289·4	285·8	30th	291·7	−0·7	291·5	300	+135
661	Taihoku, Formosa	25 2	121 31	9·3	1010·8	1011·9	− 2·1	296·2	302·7	6th	289·9	284·4	30th	293·1	−1·2	292·6	261	+127
661a	Santo Domingo	20 28	121 59	18·7	..	1008·4	− 2·5	302·2	304·7	12th	295·9	292·4	1st	299·1	−0·1	299·0	201	+ 92
662	Naha	26 13	127 41	10·5	1010·7	1011·9	− 2·5	296·2	299·3	20th	289·7	284·6	30th	292·9	−1·0	292·9	281	+121
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1012·3	1012·8	− 3·1	295·6	297·8	28th	290·1	287·8	19, 23, 30	292·9	−0·9	292·7	124	+ 4
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

APRIL—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 14	103 47	507	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 12	1939	808·3	..	..	..	302·1	30th	..	274·8	9th	..	..	291·2	3	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·5	1011·8	− 0·1	295·5	299·2	30th	282·6	277·5	9th	289·1	−0·6	289·1	41	+ 22
718	Oaxaca	17 3	96 45	1563	845·9	..	+ 0·2	..	306·8	29th	..	282·3	8th	..	..	294·0	71	+ 27
718a	Salina Cruz	16 12	95 12	56·3	1005·2	1011·6	..	302·6	306·9	27th	296·6	290·5	8th	299·6	..	299·2	52	..
719	San Salvador	13 42	89 12	‡665	937·7	1012·1	+ 1·6	307·8	312·2	21st	289·5	286·4	6th	298·7	−1·2	296·4	10	− 29
720	Belize	17 29	88 12	5·2	1012·2	1012·8	− 0·3	303·8	306·1	14th	..	..	..	..	..	‡297·7	29	− 38
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·5	− 0·2	302·4	304·3	28th	293·7	291·1	28th	298·1	−0·3	297·7	9	− 68
722	Port au Prince	18 34	72 22	37·4	1009·1	1013·4	− 0·8	304·0	305·7	9th	293·4	290·6	3rd	298·7	−1·1	298·0	188	+ 23
723	Caracas	10 30	66 55	‡1010	900·2	..	0·0	299·3	302·6	14th	287·7	285·0	5th, 6th	293·5	−1·6	291·7	52	+ 10
724	Montserrat	16 41	62 9	39·6	1009·8	1014·4	− 0·6	303·5	304·7	10, 15, 30	294·4	290·2	6th	299·0	..	298·4	65	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	994·3	1012·3	− 0·3	302·1	304·1	27th	295·8	294·7	4, 5, 6,	298·9	−0·1	298·5	4	− 56
725	Barbados	13 8	59 36	55·2	..	1014·0	− 0·1	302·4	303·7	25th	293·9	292·2	6th, 12th	298·2	−0·2	298·2	12	− 27
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·6	1013·9	− 0·6	297·9	300·0	28th	293·2	291·0	1st, 2nd	295·5	+0·6	296·2	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·0	1013·6	− 0·7	300·3	304·8	7th	294·2	291·8	1st	297·3	+1·0	297·3	0	− 1
733	Bathurst	13 24	16 36	1·5	..	1013·6	+ 0·1	303·6	309·7	3rd	..	..	..	..	+1·1	299·7	0	− 1
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	314·3	315·8	14, 28, 29	294·8	291·9	2, 5, 7	304·6	+0·3	..	0	0
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	312·8	316·1	20th	293·8	285·5	1st	303·3	−1·8	303·2	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	316·6	319·1	4th, 21st	291·9	284·7	9th	304·3	−1·6	303·9	0	− 4
738	Kaduna Capital	10 32	7 25	637	..	..	..	308·0	311·3	3rd	295·4	290·8	12th	301·7	−0·1	301·2	36	− 32
739	Katagum	12 17	10 22	30·7	..	..	..	314·7	316·3	1, 21, 24	292·6	287·4	18th, 19th	303·6	−1·5	303·2	0	− 9
740	Maiduguri	11 47	13 11	361	..	..	..	315·3	317·4	23rd	294·9	290·2	18th	305·1	−1·2	304·7	18	+ 8
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	..	..
743	El Obeid	13 11	30 14	569	943·9	1006·5	− 0·8	311·0	313·0	sev. dates	290·8	284·5	8th	300·9	−0·5	300·9	0	− 1
743a	Khartoum	15 37	32 33	390	963·1	1006·3	− 0·4	312·1	315·6	28th	295·4	290·5	7th	303·7	−0·2	303·9	0	0
744	Port Sudan	19 37	37 13	5·9	1008·3	1008·9	− 0·9	305·5	308·5	20th	295·7	291·5	18th	300·6	+1·2	300·4	7	+ 6
745	Berbera, Somaliland	10 22	45 2	9·2	1010·1	1011·3	+ 0·3	304·7	307·4	30th	298·6	295·8	1st	301·7	+0·9	301·6	5	− 6
746	Aden	12 45	45 3	28·7	1006·7	1009·9	− 1·6	303·9	306·1	22nd, 25th	299·2	297·2	2nd, 7th	301·6	+0·1	300·6	0	− 5
751	Bombay	18 54	72 49	11·3	1009·4	1010·6	0·0	304·6	306·6	1st	298·2	297·2	12th, 16th	301·4	−0·1	300·7	0	− 2
751a	Cochin	10 58	76 21	2·7	1009·5	1009·8	− 0·6	305·8	306·9	30th	299·2	296·3	11th	302·5	+0·1	301·9	56	− 77
752	Kodaikanal	10 14	77 28	2343	771·1	..	− 0·6	294·6	298·1	14th	284·0	281·6	8th	289·3	−0·1	289·3	52	− 57
752a	Bangalore	12 59	77 38	920	909·8	1009·1	− 0·4	307·1	308·2	12th	293·6	290·7	27th	300·3	+0·1	299·7	58	+ 24
753	Madras	13 4	80 14	6·7	1008·6	1009·4	− 0·6	306·8	311·6	17th	298·4	296·0	29th	302·6	+0·2	302·1	0	− 15
754	Waltair	17 45	83 16	68·9	1001·4	1009·1	− 0·4	305·9	309·2	28th	298·3	294·8	7th	302·1	+0·3	301·5	4	− 18
755	Port Blair	11 40	92 40	17·7	1008·3	1010·2	− 0·4	305·9	306·9	17th	298·7	298·1	7, 14, 19	302·3	−0·4	301·7	5	− 69
756	Rangoon	16 46	95 48	5·5	1009·2	1009·8	− 0·7	310·2	311·7	24th	296·9	294·7	3rd	303·6	−0·1	302·3	0	− 40
757	Saigon	10 47	106 42	11·2	1006·5	1007·7	− 1·3	308·0	309·8	28th	297·6	294·4	10th	302·8	+0·1	302·1	2	− 55
758	Nhatrang	12 15	109 12	3·6	1007·8	1008·2	− 1·8	304·4	306·7	27th	295·6	292·4	3rd	300·0	−0·7	299·4	3	− 24
759	Bolinao	16 24	119 53	9·7	..	1006·8	− 2·6	306·4	307·8	23rd	296·7	294·5	1, 2, 29	301·5	−0·4	301·3	41	+ 14
761	Vigan	17 34	120 23	12·2	..	1007·9	− 1·1	306·2	307·6	25th	297·1	294·9	14th	301·7	+0·1	301·3	60	+ 39
761a	Manila	14 35	120 59	14·2	..	1008·2	− 1·9	306·8	308·4	23rd	296·2	294·3	7th, 22nd	301·5	−0·2	300·9	58	+ 23
762	Ormoc	11 0	124 36	5·6	..	1008·3	− 1·2	305·4	307·2	20th	294·7	291·8	13th	300·1	+0·3	299·6	61	− 17
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1009·1	− 0·5	304·2	305·8	27th	297·0	295·2	18, 28, 29	300·6	+0·4	300·6	33	− 13
		N.	E.															

APRIL—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	303·8	305·2	1st	297·1	295·8	8th	300·4	+0·1	299·8	86	−348
821	Colon	9 23	79 23	11·0	..	1011·7	+ 0·6	300·9	305·2	14th	297·6	295·2	27th	299·2	−0·6	298·9	47	− 60
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	199	+ 62
822a	Merida, Venez	8 36	71 9	1641	‡841·6	..	..	296·2	299·2	10th	288·4	286·8	27th	292·3	..	291·1	270	..
824	El Peru, Guayanavieja	7 30	62 0	220	?985·9	?1010·9	0·0	303·8	305·6	28th	294·5	293·1	4th	299·1	0·0	298·5	29	− 49
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·0	+ 1·2	302·3	303·6	30th	297·4	295·8	2nd, 8th	299·9	+0·2	299·4	47	−123
826	Paramaribo	5 49	55 9	3·7	..	..	..	302·6	303·7	22nd	295·4	293·0	6th	299·0	−0·3	298·6	122	−128
826a	Cayenne	4 56	52 21	6	..	..	..	303·9	305·0	13th	295·6	293·4	22nd, 26th	299·7	+0·1	298·7	614	+133
833	Conakry	9 31	13 43	16	1008·6	1010·4	− 0·2	305·3	307·0	29th	296·4	294·5	12th	300·9	−0·4	300·3	0	− 24
834	Freetown, Sierra Leone	8 30	13 9	68·3	1003·2	1011·1	+ 0·1	305·6	307·4	12th	297·3	294·7	20th	301·4	+0·2	300·0	28	− 77
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	37	− 48
836	Accra	5 33	W 0 12	25·7	..	..	..	303·3	..	..	297·6	..	..	300·4	+0·1	300·0	62	− 43
837	Lagos	6 27	E 3 24	1·8	1010·4	1010·6	− 0·6	304·6	306·3	..	297·5	295·3	..	301·1	+0·2	300·6	157	+ 8
838	Zungeru	9 48	6 10	130	..	..	..	310·5	313·0	14th	297·7	294·1	24th	304·1	+0·5	303·5	42	− 16
838a	Libreville	0 23	9 26	35	..	..	..	304·8	307·4	14th	295·9	294·4	14th	300·4	+0·5	299·8	350	+ 9
839	Yola	9 12	12 30	259	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Wau	7 42	28 3	440	958·9	1007·8	+ 0·8	309·4	312·0	11th, 16th	296·0	293·0	17th, 22nd	302·7	−0·3	301·4	38	− 15
843	Mongalla	5 11	31 47	439	..	..	..	311·0	312·5	sev. dates	294·4	293·0	14th, 19th	302·7	−0·4	299·8	174	+ 68
843a	Malakal (Kodok)	9 35	31 37	394	963·6	1007·5	+ 1·2	310·4	313·1	12th	293·6	290·6	11th	302·0	..	301·0	36	+ 9
844	Entebbe	0 5	32 29	1171	883·7	..	+ 0·3	298·9	300·2	7th, 22nd	290·6	288·6	24th	294·8	+0·3	294·2	338	+ 89
845	Harrar	9 42	42 30	1856	..	..	..	304·2	..	..	287·2	..	..	295·7	+1·9	..	166	+ 47
851	Minicoy	8 17	72 49	2·1	1011·2	1011·4	?+0·9	..	..	..	..	..	..	..	..	..	28	− 54
852	Colombo Observatory	6 54	79 53	7·3	1007·6	1008·4	− 0·6	304·4	305·2	19th	297·4	295·3	25th	300·9	−0·3	300·3	121	−131
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	295·6	299·1	21st	280·7	277·3	23rd	288·1	−0·8	287·1	42	−104
854	Trincomalee	8 34	81 14	30·2	1004·7	1008·1	+ 0·3	306·0	309·6	19th	298·3	296·9	30th	302·2	−0·4	301·6	14	− 38
855	Kota Radja	5 32	95 20	7·1	..	1009·0	− 1·5	..	..	..	..	..	..	..	..	..	29	− 74
856	Medan	3 35	98 41	25·0	..	1008·5	− 1·5	304·1	305·4	12th	294·8	292·7	2nd	299·5	..	298·8	123	− 11
857	Penang	5 34	100 20	5·0	1009·8	1010·4	+ 0·1	307·0	307·4	13th, 17th	295·9	294·1	27th	301·5	+0·3	300·8	116	− 60
858	Singapore	1 17	103 51	3	1007·8	1008·1	− 1·2	304·5	306·3	15th	296·6	295·8	10th, 20th	300·5	−0·1	300·0	238	+ 44
859	Sandakan	5 50	118 7	31·7	..	..	..	304·8	306·3	30th	297·1	296·3	1, 9, 27	300·9	0·0	300·4	43	− 63
860	Iwahig	9 44	118 38	4·3	..	1006·4	− 1·9	305·5	307·1	30th	295·3	294·0	14th	300·4	..	299·8	78	..
861	Tagbilaran	9 38	123 51	21·3	..	1007·8	− 1·4	305·0	306·1	24th	295·7	294·0	4th, 13th	300·3	−0·4	299·6	38	− 22
861a	Menado	1 30	124 50	8·5	..	1008·3	− 1·0	302·7	304·2	5th	295·8	293·8	3rd	299·3	..	298·7	176	− 30
862	Surigao	9 48	125 29	6	..	1008·2	− 1·2	304·4	306·6	2nd	296·2	295·0	27th	300·3	+0·3	299·8	79	−167
863	Yap	9 29	138 8	31·9	..	1007·7	− 0·4	306·1	307·2	24th	297·7	296·1	14th	301·9	+0·5	301·0	70	− 55
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

APRIL—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·8	1011·8	+ 1·6	303·7	305·8	2nd	296·2	294·1	17th	299·9	−1·4	*299·2*	141	+ 30
924	Manaos	3 8	60 1	44·9	1005·2	1010·4	..	302·8	305·4	22nd	295·6	293·8	13th	299·2	−1·3	*298·4*	276	+ 73
926	Taperinha	2 30	54 42	20·0	1009·2	1011·5	..	301·0	302·8	22nd	295·2	293·8	5th	298·1	..	*297·3*	194	− 31
927	Turyassu	1 43	45 27	15·0	1009·0	1010·7	+ 0·9	303·2	306·0	22nd	294·5	293·1	13th	298·9	−0·9	*297·5*	384	− 31
928	Barra do Corda	5 31	45 16	81·0	1000·5	1009·9	− 0·8	304·0	305·8	11th	294·7	291·8	29th	299·3	−0·2	*297·9*	66	+177
929	Quixeramobim	5 16	39 15	207	987·9	1011·5	0·0	302·5	305·0	12th	296·5	295·6	28th	299·5	−0·9	*298·9*	306	− 13
930	Fernando Noronha	3 50	W32 55	95·0	999·2	1010·2	− 0·1	300·8	301·6	10th	297·2	295·8	6th	299·0	..	*298·6*	235	
939	Loanda	8 49	E 13 13	59·3	..	1010·2	− 0·1	302·1	304·2	18th	296·4	295·0	11th	299·3	+0·4	299·2	104	− 5
940	Brazzaville	4 17	15 16	290	977·8	1010·6	+ 0·2	306·7	310·0	14th	293·0	292·0	sev. dates	299·9	+0·2	*299·0*	92	−186
943	Masaka	0 21	31 47	?1280	..	..	..	297·0	299·7	1st	288·0	286·3	7th	292·5	−0·8	*291·9*	121	− 55
944	Nairobi	1 14	36 44	1800	..	..	..	294·7	302·4	6th	285·8	281·3	5th	290·2	−1·2	*289·4*	408	+178
944*a*	Zanzibar	6 10	39 11	21·9	1011·2	1013·7	0·0	300·9	302·9	17th	297·4	296·3	28th	299·2	−0·9	*298·8*	419	+ 67
945	Lamu	2 16	40 50	3·1	..	..	..	301·9	302·4	11th	296·9	296·3	2nd	299·4	−1·5	*299·0*	296	+114
947	Seychelles, Port Office	4 37	55 27	4·6	1009·8	1010·2	− 0·1	301·8	303·1	25th	298·9	297·4	28th	300·3	−0·5	*299·9*	246	+ 60
957	Padang	0 56	100 22	6·7	..	1009·3	− 1·7	303·9	305·3	15th	296·6	295·7	23rd	300·3	..	299·6	374	+ 9
958	Batavia	6 11	106 50	8·0	1007·5	1008·4	− 1·0	302·8	304·5	24th	296·6	295·6	15th	299·7	−0·2	299·2	224	+102
958*a*	Pontianak	0 1	109 20	2·6	..	1008·7	− 1·1	303·9	305·7	15th	296·7	295·2	21st	300·3	..	299·4	95	−189
959	Passerocan	7 38	112 55	5·0	..	1008·4	− 1·1	303·2	304·2	9th	296·2	295·0	8th	299·7	−0·6	299·2	392	+207
960	Kajoemas	7 56	114 9	1060	..	..	..	295·6	297·3	8th	291·1	290·5	15th	293·3	..	292·7	619	+493
962	Ambon	3 42	128 10	4·2	..	1008·6	+ 0·1	302·5	305·0	2nd	296·6	295·9	5th	299·5	+0·2	298·9	331	+ 62
963	Manokwari	0 52	134 20	19·0	..	1008·1	− 0·8	302·1	303·6	3rd	296·2	295·4	2nd	299·1	..	298·7	83	−102
965	Daru	9 4	143 13	7·6	..	1009·0	− 0·9	302·5	..	..	..	..	..	..	+0·7	‡*301·4*	186	−152
966	Port Moresby	9 29	147 9	39·0	..	1009·0	− 0·9	304·2	..	..	296·9	..	..	300·6	−0·1	*300·1*	83	+ 2
967																		
968	Rendova	8 30	157 12	1·8	1009·1	1009·3	+ 0·5	..	..	..	..	..	..	..	..	..	274	− 12
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·6	1008·9	0·0	304·1	306·7	15th	296·8	296·3	9th	300·4	−0·3	*300·1*	391	+179
970	Ocean Island	0 52 S.	169 35 E.	25·6	1004·7	1007·6	− 0·5	303·8	304·7	21st	297·2	295·8	9th	300·5	−0·5	*299·8*	22	−194

APRIL—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1011·7	+ 2·0	301·7	303·4	4th	295·5	294·7	22nd	298·6	−0·9	297·9	259	− 28
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·9	305·2	10th	..	..	..	..	..	..	114	− 54
1007	Makatea	15 47	148 14	47	1007·0	1012·4	..	303·7	305·1	12th, 13th	296·3	294·0	26th	300·0	−0·1	*299·5*	114	− 16
1021	Arequipa	16 22	71 33	2451	761·2	..	− 0·1	292·2	294·0	17th	281·1	277·9	6th	286·6	−0·9	*286·0*	0	− 4
1022	Puerto de Arica	18 28	70 20	5	..	..	..	294·1	295·0	6th, 7th	288·3	288·0	sev. dates	291·2	0·0	*292·3*	0	0
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	729·7	..	..	288·7	295·8	17th	280·3	277·8	22nd	284·5	..	*284·5*	40	− 5
1025	Corumba	19 0	57 39	116	997·5	1010·9	+ 0·3	310·6	312·0	sev. dates	..	..	..	..	..	*299·2*	30	− 94
1026	Cuyaba	15 36	56 6	165	991·8	1010·7	+ 0·6	302·1	304·0	17th	296·3	290·8	23rd	299·2	−0·9	*298·9*	187	+ 80
1027	Bello Horizonte	19 55	43 55	857	918·4	1014·1	− 0·2	298·6	302·2	20th	288·9	282·6	30th	293·7	0·0	*293·3*	32	− 33
1028	Caetite	14 2	42 39	900	914·9	1014·9	0·0	298·9	302·0	9th	290·5	288·5	22nd	294·7	−0·4	*294·9*	108	+ 41
1029	Ondina (Bahia)	13 0	38 30	47·0	1007·2	1012·6	− 0·4	301·8	305·6	11th	295·7	294·0	14th	298·7	−0·1	*298·5*	369	+ 80
1030	Aracaju	10 55	37 3	4·0	1011·8	1012·2	− 0·7	302·9	305·5	11th	296·7	295·0	22nd	299·8	+0·2	*299·9*	155	+ 74
1035	St. Helena	15 57	W 5 40	632	944·5	1015·3	− 0·7	296·2	299·1	1st	289·6	288·0	19th	292·9	+1·1	*292·8*	127	+ 23
1042	Gwelo	19 27	E 29 49	1417	862·2	..	− 0·7	299·1	305·8	19th	285·1	276·1	28th	292·1	+0·7	..	10	− 0
1043	Salisbury, Rhodesia	17 48	31 5	1457	857·5	..	− 0·9	298·6	304·1	18th	285·4	279·7	30th	292·0	+0·2	..	63	+ 57
1044	Zomba	15 23	35 18	2945	907·9	1013·1	− 0·3	298·3	301·9	18, 19, 26	289·1	283·0	30th	293·7	0·0	*293·4*	83	+ 4
1045	Tananarivo	18 55	47 32	1400	865·2	..	+ 0·4	297·0	298·7	5th	287·0	284·7	23rd	292·0	−0·2	*291·1*	65	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·2	1010·7	− 0·3	301·9	304·4	19th	298·3	295·2	14th	300·1	−0·3	*299·8*	135	− 94
1056																		
1057	Christmas Island	10 25	105 43	5·5	1005·9	1006·5	− 1·7	303·6	305·2	..	297·1	295·8	..	300·3	−0·4	*299·7*	295	+ 94
1058																		
1061	Koepang	10 10	123 34	45·1	..	1009·0	− 0·1	304·1	305·5	23rd	295·7	293·5	14th	299·9	..	299·2	72	+ 14
1061*a*	Derby	17 18	123 40	16·2	1009·4	1011·3	0·0	306·7	308·9	14th	296·6	293·0	18th	301·7	0·0	..	48	+ 34
1062	Hall's Creek	18 13	127 46	374	970·6	1011·8	− 0·5	306·7	309·4	3rd	291·6	285·5	18th	299·1	+0·5	*298·6*	2	+106
1063	Port Darwin	12 28	130 51	29·6	1005·4	1008·7	− 0·4	305·8	307·4	14th, 29th	296·6	294·1	11th	301·2	−0·8	*300·0*	214	− 30
1064	Daly Waters	16 16	133 23	211	985·7	1009·2	− 1·3	306·5	309·1	3rd, 15th	291·8	286·9	10th, 23rd	299·2	−0·7	*298·7*	3	− 3
1065	Mein	13 13	142 47	122	995·0	1008·6	− 0·5	303·9	305·8	7th	293·8	291·1	27th	298·9	−0·3	*298·2*	77	− 53
1066	Georgetown, Queensland	18 22	143 32	302	978·1	1011·7	− 0·2	305·6	308·1	1st	292·2	286·9	16th	298·9	+0·1	..	0	
1067	Samarai	10 37	150 40	15·2	..	1008·9	− 0·7	302·7	..	..	297·3	..	..	300·0	+0·3	*299·7*	259	+ 50
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	1010·1	1012·0	0·0	302·4	304·6	2nd	295·5	294·1	11th	298·9	0·0	*298·6*	372	+ 81
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

APRIL—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	300·6	303·6	22nd	294·8	291·9	27th	297·7	−0·1	*297·4*	266	+ 70
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·3	1015·5	0·0	291·1	295·0	28th	286·1	283·6	11th	288·6	+1·2	*288·8*	4	+ 4
1122	Iquique	20 12	70 11	9	1013·8	1014·9	+ 0·6	295·6	298·0	1st	284·8	283·4	22nd	290·2	−1·0	*290·5*	0	0
1123	Catamarca	28 27	65 47	510	..	1012·0	+ 0·2	301·6	308·0	10th	287·7	279·3	30th	294·7	+1·5	294·4	3	− 15
1124	Salta	24 46	65 28	1178	883·5	1013·2	− 1·2	295·4	302·3	17th	283·7	279 9	30th	289·5	+0·2	290·2	6	− 25
1125	Goya	29 9	59 15	26	..	1015·5	+ 1·3	300·2	307·6	16th	286·4	280·0	24th	293·3	+1·0	293·7	73	− 42
1126	Asuncion	25 21	57 37	95	‡1005·5	‡1016·7	+ 0·8	299·2	305·9	17th	288·0	279·8	23rd	293·6	−2·3	292·8	205	+ 75
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1008·0	1015·2	+ 0·3	297·9	303·3	..	293·1	289·2	..	295·5	−1·4	295·2	70	− 38
1139	Windhoek	22 34	E 17 6	1665	..	..	..	295·4	301·4	6th	285·4	280·9	30th	290·4	−1·6	*290·4*	37	− 3
1140																		
1141	Kimberley	28 42	24 47	1202	884·2	..	− 0·1	297·1	303·6	2nd	282·2	275·8	29th	289·6	−0·8	289·1	11	− 25
1142	Johannesburg	26 11	28 4	1806	823·8	..	− 1·2	292·9	300·4	2nd	281·8	274·1	29th	287·3	−1·0	*287·0*	66	+ 14
1142*a*	Pretoria	25 45	28 12	1338	871·9	..	+ 0·7	296·4	302·4	2nd	282·9	277·4	28th	289·6	−0·7	*289·3*	25	− 3
1143	Durban	29 52	31 3	15·2	1015·7	1017·5	..	298·6	302·0	23rd	290·6	283·6	30th	294·6	0·0	*294·0*	68	− 16
1144	Lorenzo Marques	25 58	32 36	59	..	1016·7	− 0·1	301·3	307·1	17th	291·3	286·4	30th	296·3	−0·3	295·7	32	− 6
1147	Mauritius	20 6	57 33	55·2	1007·6	1014·1	+ 0·1	300·5	302·1	2nd	293·4	289·7	24th	296·9	−0·5	296·6	177	+ 63
1159	Onslow	21 43	114 57	4·3	1010·4	1011·3	− 0·6	305·7	309·8	3rd	292·8	289·1	21st	299·3	−0·4	..	1	− 22
1160	Peak Hill	25 38	118 47	588	947·5	1012·8	− 0·5	301·4	305·9	6th	289·5	285·2	1st, 2nd	295·4	−1·0	..	16	− 15
1161	Nullagine	21 53	120 5	386	969·5	1012·4	− 0·4	304·4	309·4	5th	290·6	284·1	23rd	297·5	−0·7	..	12	− 10
1162	Laverton	28 40	122 23	466	965·1	1017·9	+ 0·4	298·9	304·7	23rd	287·0	279·7	27th	292·9	−0·8	*292·9*	2	− 24
1163	William Creek	23 38	133 37	587	950·0	1015·6	+ 0·3	300·2	308·0	5th	283·7	276·3	17th	291·9	−1·2	*292·1*	0	− 20
1164	Alice Springs	28 55	136 21	76·2	1010·6	1019·6	+ 1·3	298·4	306·3	4th	283·5	277·7	17th	291·0	−1·6	*290·7*	0	− 10
1164*a*	Boulia	22 55	139 38	146	997·1	1013·7	+ 0·4	303·9	309·7	5th	287·2	281·4	11th	295·6	−0·8	*295·8*	0	− 15
1165	Thargomindah	27 58	143 43	123	1002·2	1016·4	..	299·8	306·9	3rd	285·3	279·7	8th	292·6	..	*292·5*	0	− 17
1166	Mitchell	26 32	147 52	336	..	..	..	299·7	306·6	4th	281·6	273·2	11th	290·7	−1·6	..	7	− 30
1167	Rockhampton	23 24	150 30	11·3	1013·5	1014·9	− 0·6	301·5	305·3	5th	290·3	284·4	11th	295·9	−0·8	*295·2*	21	− 39
1168	Brisbane	27 28	153 2	11·6	1015·9	1017·1	− 0·5	299·2	304·2	4th	288·0	283·5	10th	293·6	−0·7	*292·6*	19	− 72
1169	Cuitchambo	21 52	166 3	38	1006·9	1011·3	..	301·5	306·0	8th	291·9	288·0	4th	296·7	..	..	203	+ 98
1170	Norfolk Island	29 5 S.	167 53 E.	15·2	1013·8	1015·2	− 1·7	295·8	297·4	10th, 11th	292·2	287·4	4th	294·0	+0·4	*293·7*	253	+149

APRIL—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	292·1	294·2	22nd	287·4	284·9	28th, 29th	289·7	−0·4	*289·9*	73	− 12
12210	Punta Tumbes	36 37	73 6	91	‡1005·4	‡1016·4	0·0	290·2	294·2	22nd	283·0	281·0	7th	286·6	+0·3	*286·7*	13	− 31
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1010·7	1015·6	− 0·3	292·1	300·0	29th	284·4	282·6	10th, 21st	288·3	−0·6	*287·8*	11	0
12220	Santiago	33 27	70 42	520	955·0	1015·7	+ 0·2	295·6	301·7	11th, 21st	280·1	276·9	sev. dates	287·9	+0·2	*286·5*	16	+ 2
1223	Cordoba	31 25	64 12	423	965·8	1015·1	+ 0·7	297·5	304·6	..	283·4	277·0	..	290·5	+0·1	289·8	96	+ 53
1224	Bahia Blanca	38 45	62 15	25	..	1016·8	+ 2·8	292·8	301·5	9th	283·1	277·0	29th	287·9	−0·7	287·6	89	+ 24
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1016·0	− 0·4	293·6	300·2	10th	285·9	278·0	22nd	289·7	+0·5	289·3	165	+ 79
1226	Montevideo (Prado)	34 52	56 12	24·9	1013·8	1016·7	+ 1·0	294·4	301·6	14th	285·7	276·8	26th	290·1	−0·2	290·2	132	+ 14
12260	Porto Alegre	30 2	W51 13	23·5	1014·3	1017·0	+ 1·2	297·2	301·2	14th	286·8	274·7	27th	292·0	−2·0	291·6	32	− 93
1239	Cape Town	33 56	E 18 29	12·2	..	1016·8	+ 0·2	296·7	309·8	11th	285·9	279·3	28th	291·3	+1·0	*289·5*	28	− 23
1240	Danger Point	34 37	19 18	19·5	..	..	..	292·9	301·1	11th	286·3	286·9	22nd, 26th	289·6	..	..	52	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 53	9·8	1015·2	1016·4	− 0·5	297·3	308·0	14th	287·6	282·4	20th	292·4	+0·7	..	64	− 14
1259	Perth (Observatory)	31 57	115 51	60·0	1011·2	1018·6	+ 0·1	296·6	301·3	30th	286·7	283·1	28th	291·6	−0·6	*291·4*	41	+ 1
1260	Katanning	33 42	117 35	310	983·4	1019·7	+ 1·1	294·4	299·1	3rd	282·8	276·9	27th	288·6	−0·7	..	58	+ 28
1261	Coolgardie	30 57	121 10	423	970·8	1019·6	+ 1·2	295·6	301·3	20th	284·3	279·9	28th	289·9	−1·5	*289·9*	38	+ 14
1262	Eucla	31 45	128 58	4·6	1019·5	1020·2	+ 1·4	294·2	305·8	22nd	285·8	279·7	19th	290·0	−1·8	*289·5*	41	+ 13
1263	Streaky Bay	32 48	134 13	13·1	1020·7	1022·2	+ 2·3	295·8	301·3	20, 21, 23	283·9	278·6	16th	289·8	−0·9	*289·2*	15	− 11
1264	Adelaide	34 56	138 35	42·7	1016·8	1021·9	+ 2·1	294·2	300·8	23rd	283·1	277·9	7th	288·6	−2·1	*288·2*	17	− 29
1265	Melbourne	37 49	144 58	35·1	1016·1	1020·3	+ 0·9	290·8	298·5	24th	281·8	278·7	4th	286·3	−2·0	285·9	47	− 10
1266	Bourke	30 13	145 58	110	1006·9	1019·8	+ 2·0	299·8	307·4	3rd, 5th	283·9	277·4	8th	291·8	−1·5	..	0	− 30
1267	Sydney	33 52	151 12	44·5	1013·0	1018·3	− 0·3	293·2	298·6	5th	285·7	281·9	29th	289·4	−1·7	*288·9*	312	+177
1268	Lord Howe Island	31 32	159 4	4·6	1016·4	1016·9	..	296·5	298·8	13th	289·8	284·6	3rd	293·2	..	..	80	− 65
1271	Auckland	36 50	174 50	38·1	..	1018·9	..	292·4	295·8	2nd	287·6	282·4	20th	290·0	+0·8	..	236	+152
1272	Napier	39 32 S.	176 53 E.	21·3	..	1019·6	+ 2·7	294·8	301·6	15th	285·9	280·5	22nd	290·3	+2·5	..	57	− 5

APRIL—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1321	Isla Huafo	43 34	74 45	140	1000·8	1017·8	+ 3·0	287·0	291·0	3rd	282·4	280·8	14th	284·7	+1·2	*284·4*	68	− 35
1322	Punta Galera	40 1	73 44	40	1013·0	1017·9	+ 1·9	287·0	288·8	28th	281·7	279·5	11th	284·3	−0·4	*284·6*	128	− 95
1323	Sarmiento	45 30	69 0	274	..	1013·4	..	291·0	298·0	4th	278·0	267·2	24th	284·5	0·0	283·7	8	− 5
1324	Puerto Madryn	42 49	W64 58	14	..	1015·0	..	293·9	300·1	12th	280·9	275·0	24th	287·4	0·0	287·0	8	− 11
1365	Launceston	41 27	E147 10	9·4	1016·1	1017·3	+ 1·9	290·8	295·5	1st	279·5	273·1	28th	285·1	−0·6	*284·3*	30	− 24
1366	Hobart	42 53	147 22	53·9	1010·1	1016·7	+ 2·2	288·9	294·1	24th	281·4	277·6	28th	285·2	−0·6	*284·4*	106	+ 58
1370	Invercargill	46 25	168 21	5·5	..	..	..	288·6	293·6	16th	279·2	272·4	19th	283·9	+0·4	..	72	− 39
1371	Dunedin	45 52	170 31	91·4	..	1011·2	− 3·9	289·0	295·8	14th	281·2	275·8	20th	285·1	+1·2	..	26	− 43
1371*a*	Christchurch	43 31	172 38	7·6	..	1016·8	+ 0·2	290·8	300·4	15th	282·3	275·9	21st	286·6	+1·5	..	67	+ 18
1372	Wellington	41 16	174 46	2·4	..	1019·0	+ 1·9	291·3	295·3	8th	285·4	279·4	22nd	288·4	+1·5	..	123	+ 24
		° ′ S.	° ′ E.	metres.	mb.	mm.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulae employed *see* pages 113 and 114 † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

APRIL—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1000·0	1006·8	+ 5·0	282·6	284·3	6th	279·2	277·6	19th, 27th	280·9	+0·6	*280·7*	310	+ 18
1422	Puerto de Punta Arenas	53 10	70 54	4	1005·6	1006·1	+ 5·4	284·4	289·7	3rd	276·1	271·6	26th	280·3	+1·3	*280·9*	30	+ 18
1423	Punta Dungeness	52 24	68 26	5	1006·2	1006·8	+ 5·7	286·3	290·0	sev. dates	275·3	273·2	29th	280·8	+1·2	*282·1*	50	+ 19
1424	Santa Cruz	52 22	68 21	12	..	1009·6	+ 4·3	288·2	297·0	4th, 7th	277·6	272·8	24th	282·9	+0·7	282·5	34	..
1424*a*	Año Nuevo	54 39	64 9	50	996·8	1002·9	+ 4·9	281·9	285·7	6th	278·3	275·2	25th	280·1	+1·7	280·1	91	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	39	− 20
1426	Cape Pembroke	51 41	57 42	21	..	1007·2	+ 6·1	283·4	287·4	4th	277·9	275·2	20th	280·7	+1·4	280·9	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	1001·5	1002·0	+ 5·5	280·0	289·0	8th	272·9	269·2	25th	276·5	+0·6	*276·7*	79	− 55

APRIL—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys.	S. 60 44	W. 44 39	7	994·6	995·5	+ 4·5	275·6	280·5	3rd	270·3	263·5	23rd	272·9	+2·6	272·5	14	− 41
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—APRIL 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. *Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Entebbe. 844. Direction and Force.		Malden Island. 905. Direction and Force.	Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction and Force.	
	9h.	m/s	9h.	21h.	9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.	
1	SE	4·5	NE 4	E 4	Calm 0	W 1	N 5	S 2	E by N 2	W 2	E 3	E 3	NW	2
2	ESE	5·9	ENE 5	ENE 4	E 1	Calm 0	W 2	SW 3	E by S 2	ESE 2	E 3	E 5	NW	1
3	ESE	7·1	ENE 5	NE 4	N 1	Calm 0	SW 2	W 3	NE 2	ESE 2	E 3	E 2	NW	2
4	SE	6·8	NE 5	ENE 4	N 2	N 2	SW 2	W 3	NNE 3	ESE 3	NE 3	NE 2	SW	2
5	SE	4·6	ENE 5	NE 4	W 2	W 2	Calm 0	N 4	NE 1	SE 1	E 3	SE 2	N	0
6	SE	3·3	ENE 4	ENE 4	SW 1	W 1	W 3	W 3	E by S 2	Calm 0	E 2	E 4	Calm	2
7	SE	6·4	ENE 4	E 4	W 1	Calm 0	SW 3	W 3	E 3	Calm 0	E 2	E 4	SE	0
8	SE	8·6	E 5	ENE 5	Calm 0	Calm 0	Calm 0	S 3	ENE 3	Calm 0	E 2	N 1	Calm	2
9	SE	8·9	ENE 4	ENE 4	SW 2	Calm 0	W 3	W 3	E by N 4	SE 1	NE 1	NE 1	SE	3
10	SE	8·3	ENE 4	NE 4	SW 1	SW 1	W 3	SW 2	E 3	W 1	E 3	E 1	SE	2
11	SE	8·6	E 4	ENE 4	N 1	Calm 0	W 3	W 2	ENE 4	W 1	E 3	E 3	SE	3
12	SE	7·2	E 5	E 5	W 1	SW 1	W 3	W 3	E 3	Calm 0	E 3	E 3	SE	3
13	SSE	5·7	ENE 5	E 5	E 1	SE 1	W 3	W 3	ENE 3	Calm 0	E 2	E 2	NE	3
14	SSE	2·8	E 5	E 5	Calm 0	Calm 0	W 3	SW 2	E by N 2	Calm 0	E 4	E 4	SE	4
15	Calm	1·3	ENE 6	NE 5	S 1	S 1	SW 2	N 2	ENE 3	Calm 0	E 4	E 2	SE	3
16	SE	5·8	NE 5	NE 5	E 1	SW 2	W 3	W 3	E by S 2	Calm 0	E 4	E 4	Calm	0
17	SE	7·3	ENE 5	ENE 5	SW 1	S 1	W 3	W 3	ENE 3	Calm 0	E 2	E 2	SE	3
18	SE	8·5	ENE 5	ENE 4	W 1	SW 1	W 3	N 5	NE 3	Calm 0	E 2	E 2	SE	3
19	SE	7·4	E 5	E 4	S 1	SW 1	SW 3	W 3	ENE 2	SE 1	E 3	E 3	NW	1
20	SE	6·7	E 5	E 5	W 1	SW 1	W 3	W 3	ENE 4	Calm 0	E 4	E 3	N	1
21	SE	6·9	E 5	E 5	W 1	SW 2	N 2	N 2	ENE 3	Calm 0	E 4	E 4	N	1
22	SE	6·4	E 5	E 5	SW 1	Calm 0	SW 3	SW 2	ENE 2	Calm 0	E 4	E 2	N	1
23	SSE	8·8	E 5	E 5	SW 1	W 1	W 2	SW 2	E by N 3	Calm 0	E 4	E 4	NW	1
24	SSE	10·2	E 5	E 5	S 1	Calm 0	S 3	S 3	E 2	Calm 0	E 3	E 4	E	1
25	SE	11·0	NE 5	NE 5	E 2	Calm 0	E 2	SW 3	E by N 2	Calm 0	E 4	E 2	N	0
26	SE	8·5	E 4	E 4	W 2	Calm 0	Calm 0	W 2	E by N 2	Calm 0	E 5	E 4	Calm	2
27	SE	5·4	E 4	E 4	E 2	E 1	W 3	N 2	E by S 2	Calm 0	E 3	E 5	SE	3
28	SE	5·0	E 5	E 5	SW 1	S 1	W 3	SW 5	E by N 2	Calm 0	E 3	E 3	SE	1
29	SE	6·6	ENE 5	NE 4	Calm 0	SW 1	SW 3	W 3	E 2	N 2	E 3	E 1	W	1
30	SE	6·1	E 4	E 5	E 2	E 1	W 5	W 3	—	Calm 0	E 2	E 2		1
Mean ..	..	6·7	4·7	4·5	1·1	0·8	2·6	2·8	2·6	0·5	3·0	2·8		
†Resultant	135° (93)	..	75° (93)		225° (32)		260° (67)		80° (91)	150° (10)	90° (96)		80° (18)	
†Normal	138° (89)	6·6	78° (77)		277° (35)		250° (41)		81° (78)	125° (36)	100° (47)		91° (53)	

* Mean velocity of the South East Trade Wind at 632 metres.
† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—APRIL 1917.

* *White Sea, Barents Sea and Spitsbergen.*—No information was received about the White Sea and Barents Sea and little from Spitsbergen, but it is probable that the whole sea N. of 76° N. was filled with ice. In Bell Sound the ice was unbroken.

* *Greenland Sea, Iceland and Denmark Strait.*—The ice-edge lay from about 150 miles E. of Langanes northwards, passing just E. of Jan Mayen. S. of Jan Mayen there were only a few floes of polar ice, but N. of the island the edge consisted of close ice until 73° N. when the ice edge was again scattered. From 76° N. the edge turned eastwards and was very close and impassable. The area covered was 1,201 by 10^3 sq. km., compared with a normal of 1,157 by 10^3 sq. km. There was only a little scattered drift ice on the N. coast of Iceland and none elsewhere, the duration being 9 days, compared with a normal of 8 days. Off Angmagsalik the ice was closely packed with some openings and from the middle of the month the sea was free at Cape Dan.

North Atlantic and Labrador.—Icebergs were numerous on the Newfoundland Banks, especially at Cape Race. Floes were observed in St. Lawrence Gulf during the beginning of the month.

* *Davis Strait and Baffin Bay.*—"Storis" drifted inshore between Cape Farewell and Sagdlit from the middle of the month. It was also observed in Julianehaab Bay but far offshore and in a narrow belt. There was no ice inshore between Nunarsuit and Melville Bay; the latter was covered with firm ice, but near Upernivik it broke up at times.

* *Isforholdene i de Arktiske Have*, 1917, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MAY 1917

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MAY 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

MAY—ZONE 1.

Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	W56 7	18·9	1018·0	1020·4	+ 4·2	272·3	282·3	27th	259·6	251·5	13th	265·9	−4·0	*265·1*	11	− 3
125	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1014·7	1016·2	− 0·1	..	273·1	25th	257·7	246·9	1st	..	−4·5	263·2	5	− 7
139	Gjesvaer	71 6	25 22	6·5	1011·1	1011·9	− 2·4	..	280·2	26th	269·8	264·1	21st	..	−3·4	*272·3*	88	+ 52
140	Mehavn	71 1	27 47	6·4	1010·7	1011·5	− 2·5	..	278·9	26th	269·8	265·8	9th	..	−2·8	*272·1*	45	+ 2
141	Vardö	70 22	31 8	10·0	1009·9	1011·2	− 3·8	..	277·0	27th	269·8	265·4	20th	..	−2·5	*272·2*	83	+ 46
142	Malye Karmakouly	72 23	52 43	14·8	1005·8	1007·7	− 5·3	..	..	..	..	..	..	..	−2·2	*266·2*	..	..
143	Waigatz	70 24	58 47	11·2	1003·9	1005·3	− 9·5	269·6	276·6	9th	263·9	256·9	14th	266·8	..	*266·9*	5	..

MAY—ZONE 2.

Between Latitude 70° N. and 60° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1014·9	+ 4·1	279·1	287·4	27th, 28th	270·3	257·4	5th	274·7	−0·2	*275·6*	6	− 17
204	Candle	65 55	161 57	2·4	..	..	..	280·3	294·1	29th	269·6	255·2	4, 7, 9	274·9	..	..	7	..
205	Tanana	65 10	152 6	69·5	..	1015·6	+ 1·9	286·5	300·8	29th	272·0	260·8	5th	279·2	−1·1	*280·3*	5	− 16
206	Rampart	65 30	150 15	122	..	..	..	288·1	303·0	29th	272·1	260·8	5th	280·1	..	..	1	− 11
207	Valdez	61 7	146 16	8·2	..	1016·9	+ 2·8	283·3	289·1	29th	275·0	270·8	2nd	279·2	+0·3	*279·4*	34	− 31
208	Eagle	64 46	141 12	254	..	1013·5	+ 2·8	284·8	296·9	29th	271·3	259·1	7th	278·1	−0·8	..	13	− 9
209	Dawson	64 4	139 20	328	973·9	1013·5	+ 1·7	286·3	297·4	28th	272·4	261·9	6th, 7th	279·4	−1·8	..	25	− 1
210	Carcross	60 11	134 34	662	..	..	..	284·5	295·2	30th	271·6	260·8	22nd	278·1	−0·9	..	5	− 5
211	Fort Good Hope	66 25	128 53	65·2	1012·0	1020·3	..	279·7	293·6	18th	266·9	248·6	5th	273·3	..	..	22	..
212	Fort Simpson	61 52	121 35	129	1000·5	1016·5	..	283·6	294·1	25th	271·3	255·2	2nd	277·4	−1·7	..	25	− 24
213	Hay River	60 51	115 20	161	996·5	1016·6	..	279·7	296·3	20th	269·7	259·7	2nd	274·7	−3·4	..	15	..
225	Jacobshavn	69 13	51 2	12·6	1019·8	1021·4	+ 6·0	..	..	..	..	..	..	..	−1·8	*270·9*	39	+ 25
226	Godthaab	64 11	51 43	9·0	1014·7	1015·8	+ 4·0	279·3	286·8	28th	271·0	262·4	2nd, 3rd	275·1	+0·6	*274·4*	2	− 42
227	Ivigtut	61 12	48 10	5·0	1015·1	1015·7	+ 4·2	..	..	..	274·5	267·5	1st	..	+2·5	*280·1*	8	− 86
229	Angmagsalik	65 37	37 33	31·7	1014·4	1018·4	+ 3·0	279·2	286·1	29th	269·9	259·0	1st	274·5	−0·5	*274·3*	15	− 63
231	Stykkisholm	65 5	22 46	11·3	1016·4	1017·8	+ 3·8	280·9	285·7	18th	274·4	268·5	7th	277·7	0·0	*277·3*	34	− 2
232	Vestmanno	63 3	20 15	7·7	1014·3	1015·2	+ 2·4	282·9	287·9	27th	275·4	268·2	7th	279·1	−0·3	*279·1*	80	− 2
233*a*	Grimsey	66 33	17 58	22·0	..	..	..	278·1	289·4	24th	272·6	266·2	4th	275·3	+0·6	*275·3*	4	− 11
234	Akureyri	65 40	18 4	6·8	1017·1	1017·9	+ 2·9	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1015·0	1017·2	+ 3·2	280·7	288·8	26th	274·1	266·7	5th	277·4	+0·2	*277·4*	41	− 28
236	Thorshavn	62 3	6 45	25·7	1014·6	1017·8	+ 3·4	282·1	286·8	23rd, 29th	277·0	270·0	7th	279·5	−0·3	*279·3*	97	+ 12
	Lerwick	60 9	W 1 8	18·0	1016·3	1018·3	+ 4·6	282·8	291·9	26th	278·8	273·6	8th	280·8	+0·5	*280·8*	43	− 10
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1013·8	1019·3	+ 5·1	..	298·5	28th	278·3	271·9	8th	..	+0·1	*282·4*	83	− 6
238	Christiansund	63 7	7 45	17·8	1016·8	1018·9	+ 4·7	..	292·8	26th	277·4	272·7	7th	..	−0·5	*280·3*	83	+ 21
239	Trondhjem	63 26	10 25	39·5	1014·3	1019·2	+ 5·2	..	294·9	28th	275·8	267·2	2nd	..	−1·0	*279·8*	62	+ 11
240	Bodö	67 17	14 24	22·4	1013·1	1015·8	+ 2·0	..	286·4	26th	274·0	269·2	18t	..	−2·4	*276·4*	140	+ 83
241	Haparanda	65 50	24 9	9·2	1012·5	1013·6	− 0·7	279·8	292·0	27th	272·0	267·0	9th	275·9	−1·3	*275·7*	21	− 8
242	Helsingfors	60 10	24 57	11·7	1015·5	1016·9	+ 2·6	284·8	296·7	30th	275·9	269·3	1st	280·3	−1·3	*280·0*	10	− 35
242*a*	Kuopio	62 54	27 40	90·3	1002·2	1013·4	− 0·9	282·7	297·0	30th	273·8	267·8	20th	278·3	−1·5	*278·8*	36	− 2
243	Kola	68 53	33 1	6·7	1010·4	1011·3	− 3·0	275·5	282·8	30th	269·6	264·0	25th	272·6	−3·8	*272·7*	22	− 1
244	Petrozavodsk	61 47	34 23	38·9	1008·0	1013·4	− 1·2	..	294·9	30th, 31st	..	..	..	..	−0·6	*279·2*	..	..
245	Arkhangelsk	64 35	40 36	5·8	1010·8	1011·5	− 2·5	279·6	289·5	31st	272·3	267·7	21, 25, 26	276·0	−2·2	*275·8*	69	+ 39
246	Mezen	65 50	44 16	12·6	1008·8	1010·4	− 3·3	278·1	290·2	31st	270·5	264·3	21st	274·3	−2·4	*274·0*	25	+ 1
247	Oust-Tsylma	65 25	52 14	? 70	1001·8	1010·6	− 2·9	277·1	288·4	7th	269·8	262·3	20th	273·4	−2·8	*272·9*	30	..
248	Tcherdyn	60 24	56 31	?177	991·9	1013·7	− 0·2	283·2	294·0	17th	274·1	268·7	25th	278·6	−2·8	*278·2*	83	+ 34
249	Berezov	63 56	65 4	39·9	1005·9	1010·9	− 3·3	280·3	287·2	8th, 28th	271·7	264·7	15th	276·0	+1·1	*275·8*	35	+ 1
250	Obdorsk	66 31	66 35	23·7	1006·0	1009·0	− 4·0	275·1	284·5	7th	268·1	260·2	16th	271·6	+0·9	*271·3*	28	+ 11
251	Sourgout	61 15	73 24	? 40	1007·5	1012·4	− 1·2	..	296·4	24th	274·4	266·6	16th	..	+3·3	*279·4*	46	+ 13
253	Doudinka	69 23	86 4	20	1004·4	1006·9	− 5·5	..	280·3	31st	268·1	259·7	19th	..	..	*270·5*	9	..
254	Touroukhansk	65 47	87 57	45	1006·6	1012·2	− 0·5	..	288·2	29th	271·6	261·8	23rd	..	+3·2	*275·2*	38	+ 12
261	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
262	Iakoutsk	62 1	129 43	108	995·4	1008·7	− 1·8	..	292·3	12th	272·3	266·6	2nd	..	+0·3	*278·1*	18	+ 1
263	Verkhojansk	67 33	133 23	100	992·3	1004·6	− 3·8	..	291·0	27th	272·1	265·1	1st	..	+4·1	*278·8*	2	− 5
264	Oust-Maiskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1010·6	1013·8	− 1·0	278·2	285·4	30th	271·9	265·2	5th, 6th	275·1	+4·8	..	16	+ 9
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

MAY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	2·4	..	..	..	281·0	286·3	15th	276·0	272·4	9th	278·5	..	..	72	..
302	St. Paul Island	57 15	170 10	6·1	..	1009·8	− 1·4	277·7	280·2	13th	270·5	265·2	5th, 6th	274·1	..	..	46	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1007·8	− 5·0	280·8	285·2	12th	274·9	268·6	8th, 10th	277·9	+0·8	*277·6*	76	− 48
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Experiment Stn.)	57 48	152 22	47·2	..	..	..	281·7	287·4	1st	275·2	272·4	11th, 12th	278·4	..	..	140	+ 13
309	Sitka	57 3	135 19	27·4	..	1017·9	+ 2·7	285·2	289·7	22, 24, 25	276·6	271·9	11th	280·9	−0·3	*280·9*	77	− 19
310	Prince Rupert	54 18	130 18	51·8	1009·7	1016·1	+ 0·8	286·3	295·2	24th	277·4	274·1	23rd	281·9	−0·5	*281·6*	39	− 92
311	Barkerville	53 2	121 35	1274	868·9	..	..	284·7	292·4	10th	272·4	266·3	4th	278·6	−1·3	*278·3*	41	− 19
312	Kamloops	50 42	120 29	385	971·2	1016·6	+ 0·9	293·6	300·8	31st	280·8	273·6	4th	287·2	0·0	*286·9*	42	+ 18
313	Calgary	51 2	114 2	1045	893·8	..	..	290·2	300·8	11th	274·7	267·4	1st	282·4	0·0	*281·5*	40	− 22
314	Fort Chipewyan	58 42	111 10	218	989·7	1016·2	..	285·2	295·8	10th	274·1	261·9	2nd, 3rd	279·7	−0·2	*280·6*	9	− 12
315	Prince Albert	53 10	106 0	442	963·4	1015·6	+ 3·7	292·4	302·4	14th, 15th	276·3	268·6	1st, 3rd	284·4	+2·0	*284·3*	20	− 19
316	Qu'Appelle	50 30	103 47	645	939·6	1014·8	+ 2·3	290·8	303·0	15th	276·3	268·6	30th	283·6	+0·7	283·5	6	− 44
317	Minnedosa	50 15	99 50	515	956·5	1017·5	+ 4·2	290·8	306·3	16th	274·1	266·9	30th	282·4	−0·5	*282·5*	1	− 34
318	Berens River	52 18	97 23	216	..	..	..	287·5	298·0	16th	272·9	266·9	20th, 27th	280·2	+1·1	..	3	..
318a	Port Nelson	57 4	92 36	14·9	1019·8	1021·7	..	275·8	291·3	12th	268·6	260·8	2nd	272·2	..	..	36	..
319	Fort Hope	51 33	87 49	‡260	986·1	1018·9	..	285·2	299·1	15th	270·8	265·2	4th, 5th	278·0	−1·8	*278·6*	..	− 47
320	Moose Factory	51 14	80 30	9·1	1017·0	1018·1	+ 1·9	278·6	291·3	29th, 30th	270·2	265·8	3rd, 4th	274·4	−4·4	..	10	..
321	Fort George	53 50	79 5	97·5	..	..	..	279·1	290·2	29th	269·6	263·6	13th	274·4	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	281·4	295·2	31st	271·5	266·3	7th	276·5	..	..	39	..
323	Hebron	58 12	62 21	15·0	1021·1	1023·0	+ 9·5	..	..	..	270·3	256·5	..	..	..	*273·1*	..	..
324	Natashquan	50 8	61 48	?	..	..	..	281·2	289·7	30th	273·4	268·0	1st	277·3	..	..	57	..
326	Belle Isle	51 53	55 23	133	992·9	1009·5	− 2·7	275·8	281·9	30th	272·4	269·7	1st, 2nd	274·1	−0·3	*273·9*	97	+ 32
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1011·8	1013·5	− 1·8	288·7	294·7	5th	282·0	276·3	2nd, 7th	285·4	+1·2	285·2	77	− 4
335	Aberdeen	57 10	2 6	26·8	1015·0	1018·3	+ 3·5	284·9	293·0	26th	278·7	274·1	9th	281·8	−0·2	281·8	35	− 24
336	Greenwich	51 28	W 0 0	46·3	1010·2	1015·7	+ 0·3	293·4	299·7	13th	281·1	275·2	7th	287·2	+2·0	286·6	66	+ 22
337	Uccle	50 48	E 4 22	100	1002·8	1014·8	− 0·5	294·8	302·4	12th	282·9	275·8	7th	288·8	+3·1	288·6	74	+ 12
338	De Bilt	52 6	5 11	3·0	1015·7	1016·1	+ 1·1	294·0	300·8	13th	281·6	272·9	7th	287·8	+2·9	287·7	18	− 46
338a	Hamburg	53 33	9 58	26·0	1015·1	1018·2	+ 3·3	292·6	299·5	28th	282·0	274·8	7th	287·3	+2·3	*287·2*	13	− 42
339	Copenhagen	55 41	12 36	5·0	1019·6	1020·2	+ 5·1	287·8	295·5	29th	279·7	274·5	1st	283·7	+0·2	*283·6*	10	− 42
340	Potsdam	52 23	13 4	84·9	1007·8	1018·0	+ 2·9	295·3	302·7	14th, 24th	281·6	273·6	7th	288·5	+2·7	288·3	5	− 42
340a	Upsala	59 51	17 38	24·0	1015·3	1018·2	+ 4·4	289·4	301·9	28th	275·3	267·0	21st	282·4	+1·0	282·5	22	+ 9
341	Warsaw	52 13	21 1	133	1004·2	1020·0	+ 5·9	293·1	301·5	31st	280·3	273·2	7th	286·7	+0·5	286·9	21	+ 8
342	Jurjev	58 23	26 43	74·5	1009·4	1018·6	+ 4·3	286·8	301·5	30th	275·5	269·6	1st	281·2	−1·7	281·2	53	− 17
343	Petrograd	59 56	30 16	4·8	1015·2	1015·8	+ 1·6	284·0	298·6	30th	276·0	269·9	1st	280·0	−1·8	*279·9*	25	− 34
344	Kiev	50 27	30 30	183	998·4	1020·5	+ 6·0	291·1	302·7	31st	280·2	271·3	22nd	285·6	−2·1	*285·4*	14	+ 1
344a	Moscow	55 50	37 33	167	997·1	1017·6	+ 2·2	285·6	300·6	31st	275·1	270·5	14th, 21st	280·4	−4·5	*280·6*	50	− 6
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	− 9
346	Kazan	55 47	49 8	79·9	1007·4	1017·2	+ 2·3	288·1	301·7	31st	277·4	271·4	14th	282·8	−3·0	*282·8*	31	− 26
347	Orenburg	51 45	55 6	109	1004·0	1017·2	+ 1·7	292·5	299·9	18th	278·7	271·3	28th	285·6	−1·2	*285·8*	16	− 9
348	Perm	58 1	56 16	163	995·4	1015·3	+ 1·1	286·2	295·0	11th	276·1	270·4	1st	281·2	−1·8	*280·9*	45	− 16
349	Ekaterinburg	56 49	60 38	281	980·6	1014·5	− 0·6	287·9	295·5	22nd	276·9	270·8	21st	282·4	−0·9	*282·1*	27	− 14
350	Tobolsk	58 12	68 14	?108	1001·5	1014·7	− 0·2	288·9	297·4	23rd	277·4	269·2	26th	283·2	+1·1	*282·7*	25	− 16
351	Akmolinsk	51 12	71 23	?347	974·7	1015·4	− 0·5	..	306·0	7th	279·2	268·1	16th	..	+3·0	*288·5*	7	− 10
352	Omsk	54 58	73 23	87·9	1003·9	1014·5	− 0·9	..	301·0	14th	278·8	271·1	16th	..	+3·3	*286·9*	15	..
353	Barnaoul	53 20	83 48	162	997·4	1016·7	+ 0·3	295·6	306·8	25th	278·2	268·3	17th	286·9	+4·1	*287·8*	..	− 24
354	Tomsk	56 30	84 58	122	1001·4	1016·2	+ 1·6	..	300·4	25th	277·1	270·4	1st	..	+4·4	*284·8*	19	..
355	Minousinsk	53 43	91 41	249	987·1	1016·8	+ 1·1	..	302·5	25th	276·6	267·6	17th	..	..	*285·9*	12	− 26
356	Eniseisk	58 27	92 10	77·6	1005·9	1015·4	+ 1·5	..	299·0	21st	275·3	268·6	2nd	..	+3·2	*282·8*	31	− 24
357	Irkutsk	52 16	104 19	467	960·7	1016·2	+ 2·1	..	300·8	16th	275·3	267·6	8th	..	+1·4	*282·7*	9	− 19
358	Kirensk	57 47	108 7	263	981·8	1013·2	+ 1·0	..	297·3	21st	274·7	268·8	20th	..	+3·8	*283·9*	17	− 24
359	Tchita	52 2	113 30	687	931·4	1011·6	+ 2·5	..	297·1	16th	273·5	266·3	2nd	..	+1·6	*282·4*	4	..
360	Blagoveshchensk Priisk	58 10	114 19	490	..	..	..	..	..	..	..	..	..	..	..	..	..	− 21
360a	Nertchinskii Zavod	51 19	119 37	626	937·0	1010·2	+ 1·9	..	299·1	17th	274·5	266·8	3rd	..	+1·2	*282·1*	8	..
361	Tygan Ourkan	54 5	124 46	379	963·4	1008·6	..	287·6	297·0	17th	271·1	265·8	19th	279·4	..	*280·8*	12	+ 12
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	989·4	1006·5	+ 0·1	289·3	302·3	17th	277·0	271·8	6th	283·2	+0·4	*283·2*	54	..
363	Paikanskii Sklad	50 11	130 7	145	987·5	1005·1	..	288·1	300·6	17th	272·1	266·4	1st	280·1	..	*280·5*	72	0
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1004·6	1007·2	− 2·2	..	285·7	31st	271·7	264·8	10th	..	−1·3	*275·1*	34	− 11
366	Okhotsk	59 21	143 12	6·0	1008·2	1009·0	− 4·2	276·6	284·7	28th	271·1	266·3	21st	273·9	−0·8	*273·5*	11	..
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1003·2	1004·9	− 4·0	279·1	285·0	21st	273·4	271·2	20th	276·3	..	*275·8*	104	..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

MAY—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·4	1017·0	+ 0·6	286·3	289·7	6th	279·7	277·4	1, 8, 18	283·0	−1·4	282·4	14	− 19
412	Portland, Oregon	45 32	122 41	46·6	1012·4	1017·6	+ 0·7	289·4	298·6	8th	281·6	276·9	2nd	285·5	−1·5	*285·3*	59	− 2
413	Macleod							289·1	299·7	12th, 14th	276·1	267·4	1st	282·6	−0·3	*282·8*	53	− 1
414	Helena	49 44	113 24	953	..	..	..	288·3	301·3	14th	276·3	270·2	31st	282·3	−2·0	*282·1*	85	+ 29
414a	Salt Lake City	40 34	112 4	1253	871·4	1013·2	+ 0·2	289·9	301·9	14th	280·2	275·8	5th	285·1	−2·7	*284·9*	88	+ 36
415	Cheyenne	40 46	111 54	1329	863·3	1010·5	− 0·5	284·1	296·9	15th	274·1	262·4	6th	279·1	−4·6	*279·0*	118	+ 56
416	North Platte	41 8	104 48	1856	810·4	1013·2	+ 2·4	290·6	304·1	18th	278·3	270·8	8th	284·4	−3·9	*284·1*	113	+ 40
416a	Bismarck	41 8	100 45	859	915·9	1014·9	+ 2·5	292·2	305·2	16th	276·7	269·1	2nd	284·4	−1·2	*284·7*	7	− 55
417	Winnipeg	46 47	100 38	511	957·4	1017·9	+ 4·3	292·4	304·1	16th	274·7	269·1	30th	283·6	−0·3	*284·1*	1	− 57
418	Duluth	49 53	97 7	232	989·8	1017·6	+ 3·3	286·4	300·8	16th	275·2	270·8	23rd	280·8	−0·1	*281·1*	22	− 58
419	Port Arthur	48 27	89 12	196	992·7	1016·5	+ 1·4	287·4	301·9	16th	275·2	270·8	9th	281·3	+0·3	*281·2*	36	− 16
420	Chicago	41 53	87 37	251	984·2	1014·2	− 0·5	288·3	304·1	19th	280·7	275·8	23rd	284·5	−2·3	*284·2*	87	− 6
421	Toronto	43 40	79 24	116	997·3	1011·4	− 3·5	287·4	298·6	18th	278·0	274·1	8th	282·7	−1·8	282·2	60	− 16
422	New York (Central Park)	40 46	73 58	30·2	1006·6	1010·2	− 5·4	289·5	301·9	20th	281·3	276·3	4th	285·4	−3·8	285·2	97	+ 17
423	St. John, N.B.	45 17	66 4	36·2	1003·2	1007·6	− 6·2	283·0	290·2	19th	275·8	269·7	1st	279·4	−2·3	278·4	104	+ 10
424	S.W. Point, Anticosti	49 24	63 33	9·1	1009·0	1010·1	− 1·9	279·1	281·9	22nd	273·6	267·4	7th	276·3	−0·6	*276·1*	74	+ 23
424a	Sable Island (Main Station)	43 57	60 6	7·6	1007·2	1008·1	− 7·6	279·7	283·6	12th, 30th	275·8	273·0	13th	277·7	−2·0	*277·6*	91	+ 2
425	Port aux Basques	47 35	59 10	9·1	1006·6	1007·7	− 5·8	280·2	285·2	13th, 31st	274·7	270·8	2nd	277·4	−0·3	*277·3*	80	− 9
426	St. John's, Newfoundland	47 34	52 42	38·1	999·3	1004·0	− 8·6	281·3	290·2	28th	274·1	271·9	1, 5, 24	277·7	−1·3	*277·6*	85	− 5
435	Madrid	40 24	3 41	655	938·2	1013·0	− 1·6	297·5	304·0	26th	282·2	279·0	7th	289·9	+1·0	289·5	59	+ 16
436	Nantes	47 15	W 1 34	36·5	1008·9	1013·2	− 2·2	293·8	302·2	26th	284·3	280·3	1st	289·0	+2·2	288·7	70	+ 14
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1008·5	1014·5	− 1·0	295·8	301·7	12th	283·8	279·0	9th	289·8	+3·5	289·5	32	− 19
438	Marseilles	43 18	5 23	74·8	1005·3	1014·2	+ 0·8	296·2	303·1	12th	285·8	281·1	9th	291·0	+0·9	290·0	99	+ 47
438a	Zürich	47 23	8 33	493	957·7	1014·9	− 0·8	296·4	303·0	14th	283·6	278·5	7th	290·0	+3·5	289·3	73	− 37
439	Rome	41 54	12 27	45	1009·6	1015·0	+ 0·9	296·9	301·0	4th	287·2	283·4	8th	292·0	+1·3	*291·8*	48	− 10
440	Vienna	48 15	16 22	203	992·5	1016·5	+ 2·6	293·6	298·9	30th	282·9	277·3	7th	288·3	+1·0	288·5	20	− 50
440a	Buda-Pesth	47 31	19 1	130	1002·4	1017·9	+ 4·2	296·7	302·5	25th	282·2	275·1	8th	289·5	+1·6	*289·8*	19	− 53
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1008·9	1018·8	+ 5·3	295·3	302·8	31st	281·7	276·0	22nd	288·5	−1·7	288·2	58	− 3
443	Odessa (University)	46 29	30 44	65·3	1011·2	1019·2	+ 4·8	291·3	299·9	30th	282·4	274·4	22nd	286·8	−1·9	*286·6*	22	− 9
444	Kharkov (University)	50 0	36 14	140	1002·7	1019·7	+ 4·0	290·3	299·1	31st	277·8	270·7	6th	284·0	−3·1	*284·4*	34	− 10
444a	Novorossiisk	44 44	37 49	37·1	1012·4	1016·8	+ 2·0	291·4	299·0	31st	283·1	275·6	7th	287·2	−1·4	*286·9*	40	− 2
445	Tiflis	41 43	44 48	404	969·1	1016·3	+ 1·1	294·4	303·0	17th	284·4	279·4	6th, 8th	289·4	−2·3	*288·2*	115	+ 36
446	Astrakhan	46 21	48 2	−13·8	1020·4	1018·7	+ 3·6	292·6	298·5	12th	284·1	278·7	6th	288·4	−3·3	*287·6*	3	− 15
447	Fort Alexandrovsk	44 30	50 16	24	1012·6	1015·4	+ 0·1	..	297·8	16th	285·6	280·8	9th	..	−1·4	*288·9*	9	− 6
448	Krasnovodsk	40 0	52 59	−14·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	57·0	1008·8	1015·6	+ 0·5	297·9	308·0	5th	284·8	276·2	15th	291·4	+0·8	*291·8*	7	..
450	Tachkent	41 20	69 18	479	955·2	1009·2	− 3·5	306·3	311·8	4th	288·8	281·5	18th	297·6	+3·9	*297·0*	0	− 33
451	Narynskoe	41 26	76 0	?2015	795·1	..	..	..	301·0	24th	280·7	277·2	10th	..	+4·4	*288·8*	17	..
452	Vernyi	43 16	76 53	?825	916·3	1008·1	− 5·0	301·7	308·1	25th	287·7	278·6	12th	294·7	..	*293·8*	13	..
461	Mukden	41 48	123 23	43·8	1002·5	1007·7	− 1·1	294·6	303·8	17th	280·5	272·1	1st	287·5	−1·0	287·4	27	− 34
462	Joshin	40 40	129 11	4·0	1007·2	1007·7	− 1·8	288·3	302·4	18th	279·0	275·2	2nd	283·7	−1·2	282·9	44	− 17
463	Yuki	42 20	130 24	65·6	999·4	1007·4	..	288·9	299·4	19th, 25th	279·2	273·7	10th	284·1	..	283·7	33	..
464	Vladivostok	43 7	131 55	128	991·9	1007·4	− 2·9	287·0	294·5	24th	278·6	274·6	9th	282·8	−0·5	282·1	36	− 14
465	Ochiai	47 20	142 44	6·6	1003·8	1004·6	− 6·3	281·7	288·5	20th, 21st	273·1	268·4	6th	277·4	−1·6	277·1	43	− 18
466	Nemuro	43 20	145 35	26·7	1003·5	1006·7	− 4·8	284·3	294·1	17th	276·1	272·8	11th	280·2	+0·2	279·7	48	− 46
466a	Syana	45 14 N.	147 53 E.	39·3	1001·2	1006·0	− 5·4	282·6	293·0	19th	274·5	271·0	6th, 14th	278·5	0·0	278·4	85	+ 5

Between Latitude 40° N. and 30° N.

MAY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1010·3	1016·2	+ 0·3	288·4	293·6	5th	282·1	280·8	14th	285·2	−1·6	*284·5*	2	− 18
512	San Luis Obispo	35 18	120 39	61·3	1010·1	1017·6	+ 1·6	290·7	298·0	5th	280·7	276·3	26th	285·7	−2·0	*284·6*	12	− 2
513	San Diego	32 43	117 10	26·5	1012·0	1015·2	+ 0·9	290·2	299·1	6th	285·1	283·0	27th	287·7	−1·8	*287·2*	8	0
514	Modena	37 48	113 54	1670	829·3	1009·1	− 0·9	288·7	298·6	14th	275·0	270·8	5th	281·9	−2·5	*281·8*	57	+ 36
515	Santa Fé	35 41	105 57	2138	784·0	1008·8	0·0	288·6	294·7	16th	276·2	267·4	6th	282·4	−4·4	*282·3*	21	− 6
516	Denver	39 45	105 0	1613	834·8	1012·8	+ 2·2	287·4	299·7	15th	277·2	268·0	6th	282·3	−4·8	*281·9*	97	+ 32
517	Abilene	32 23	99 40	530	951·2	1011·5	+ 0·1	299·1	309·1	26th	286·5	276·9	8th	292·8	−2·4	*292·8*	84	− 10
518	Saint Louis	38 38	90 12	173	993·1	1013·5	− 0·8	293·7	305·2	19th	284·2	276·3	5th	288·9	−3·2	*288·9*	96	− 13
519	Mobile	30 41	88 2	17·4	1013·5	1015·6	+ 0·3	298·5	304·7	28th	289·6	282·4	9th	294·1	−2·0	*294·1*	52	− 57
520	Nashville	36 10	86 47	166	995·7	1015·6	0·0	295·3	303·0	31st	283·7	278·0	14th	289·5	−3·4	*290·0*	121	+ 27
521	Charleston	32 47	79 56	14·6	1012·5	1014·2	− 2·0	299·2	305·8	19th	289·3	282·4	9th	294·2	−1·2	*294·3*	97	+ 14
522	Washington	38 54	77 3	34·1	1007·1	1011·2	− 4·5	293·4	304·7	27th	283·2	278·6	11th	288·3	−2·7	*288·2*	47	− 45
523	Bermuda	32 18	64 46	46·0	1009·8	1015·2	− 2·5	295·3	298·4	26th	290·3	285·7	13th	292·8	−1·2	*292·6*	106	− 5
524	Santa Cruz (Flores)	39 27	31 9	28	1011·3	1014·4	− 7·1	292·3	294·6	18th	285·6	282·6	9th	288·9	−1·0	*288·7*	158	+ 53
530	Horta	38 32	28 38	65	1007·5	1014·8	− 5·9	290·6	292·9	29th	286·5	285·3	7th	288·6	−1·0	289·0	146	+ 70
531	Ponta Delgada	37 44	25 40	22	1013·7	1015·6	− 5·1	291·3	292·9	14th	287·7	286·0	10th	289·5	0·0	289·5	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	131	+ 55
532a	Madeira (Funchal)	32 37	16 54	25	1015·7	1018·7	− 0·1	292·3	293·3	31st	288·1	286·4	4th	290·2	−0·6	*290·3*	40	+ 14
533	Lisbon	38 43	9 9	95	1004·0	1015·4	− 0·4	292·9	301·1	25th	286·9	285·3	28th	289·9	+0·1	*289·5*	59	+ 8
534	Gibraltar	36 6	5 21	16·2	1013·4	1015·3	− 1·0	294·9	298·0	13th, 27th	287·4	285·8	8th, 9th	291·2	−0·4	*290·8*	29	− 15
535	Melilla	35 18	2 59	8	‡1015·8	‡1016·7	− 0·5	295·2	299·4	15th	286·0	283·6	1st	290·6	−1·8	*291·9*	42	+ 13
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

MAY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 38	23	1009·7	1012·4	− 2·7	294·7	298·4	15th	285·8	283·6	20th	290·2	−0·9	..	132	+92
538	Algiers (Bouzaréah)	36 48	3 2	344	973·5	1013·6	− 1·6	294·1	306·7	12th	286·5	283·9	1st	290·3	+0·9	289·8	36	−10
539	Tunis	36 48	10 10	33	‡1009·7	‡1013·6	− 1·6	298·8	307·2	9th	288·5	285·0	sev. dates	293·7	+1·4	*293·5*	42	+19
539a	Malta	35 53	14 31	56·4	..	1015·5	0·0	294·6	298·8	11th	289·3	287·4	1st	291·9	+0·5	*291·0*	4	−6
540	Riposto	37 41	15 14	14·2	..	1017·9	+ 1·5	293·8	296·7	15th	288·4	286·0	3rd	291·1	−1·2	*289·9*	43	+20
541	Athens	37 58	23 43	107	1003·4	1016·1	+ 2·7	295·1	300·0	31st	286·8	283·5	17th	290·9	−1·8	290·8	25	+4
542	Alexandria	31 12	29 53	32·0	1010·7	1014·5	+ 0·8	298·1	306·5	22nd	289·8	286·2	6th	293·9	−0·4	*293·5*	0	−1
543	Cairo (Helwan)	29 52	31 20	116	999·3	1012·8	+ 0·9	303·3	311·9	22nd	289·1	283·9	1st	296·2	−1·7	295·9	0	−2
544	Nicosia (P.W.D.)	35 9	33 22	159	993·5	1011·9	+ 0·5	298·4	303·0	9th, 10th	285·2	281·9	1st	291·8	−2·0	..	45	+15
544a	Beirut	33 54	35 28	33·7	..	1012·7	+ 0·7	297·7	308·6	20th	290·0	286·9	1st	293·9	−0·4	*293·6*	9	−8
545	Baghdad	33 21	44 28	38·7	..	..	..	308·1	312·9	27th	292·5	286·7	4th	300·3	+0·1	*302·3*	0	−6
546	Busrah	30 31	47 53	7·6	1008·8	1010·0	− 0·7	310·0	316·6	26th	295·3	288·4	9th	302·6	+0·7	..	3	−9
546a	Lenkoran	38 46	48 51	−19·3	1018·6	1016·3	+ 1·9	..	296·4	17th	287·1	281·9	5th	..	−1·1	*290·1*	12	−21
547	Teheran	35 41	51 25	1220	..	..	..	301·9	307·7	28th	290·8	282·9	9th	296·4	+2·2	*296·5*	22	+11
548	Meshed	36 16	59 35	946	..	..	..	304·4	309·3	28th	285·7	283·0	12th, 13th	295·1	+2·7	..	0	−35
549	Seistan	31 0	61 30	?	..	..	..	307·8	315·7	29th	292·8	288·0	1st	300·3	..	..	5	..
550	Quetta	30 11	67 3	1677	831·2	..	− 0·5	300·3	307·2	29th	284·6	280·3	4th	292·4	−0·4	*292·5*	10	0
551	Peshawar	34 2	71 37	339	968·9	1006·7	+ 1·7	308·4	314·3	29th	293·8	291·3	1st	301·1	−0·8	*300·9*	7	−17
551a	Lahore	31 34	74 20	214	982·5	1006·5	+ 3·6	306·9	312·4	31st	295·1	289·9	1st	301·0	−3·6	*301·1*	24	+7
552	Simla	31 7	77 8	2205	780·7	..	+ 0·7	289·8	293·3	3rd	284·1	281·6	18th	286·9	−4·7	*287·0*	176	+108
552a	Leh	34 10	77 42	3503	666·4	..	− 1·2	290·9	298·5	31st	277·3	271·6	1st	284·1	+1·1	*283·8*	18	+13
559	Hankow	30 35	114 17	37·0	1007·1	1011·4	− 0·1	299·4	306·1	31st	289·6	283·3	6th	294·5	−0·5	*294·3*	74	−49
560	Tientsin	39 10	117 10	5·0	1008·5	1009·1	− 0·5	299·3	309·8	30th	284·8	277·4	4th	292·1	−1·2	*291·3*	2	−27
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1010·8	− 0·5	298·4	307·3	28th	286·0	282·0	7th	292·2	−0·2	291·4	67	−23
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1001·6	1009·8	− 1·8	289·8	294·1	19th, 29th	283·1	278·8	7th	286·4	−1·5	285·9	49	−28
562a	Nagasaki	32 44	129 52	133	996·1	1011·9	− 0·1	294·4	298·6	27th	285·8	281·2	10th	290·1	−1·3	289·5	60	−100
563	Kioto	35 1	135 44	42·9	1006·0	1011·1	− 0·7	295·6	302·3	20th	281·1	275·8	11th	288·3	−1·3	288·2	56	−80
564	Tokio	35 41	139 45	21·3	1007·2	1009·7	− 2·4	293·8	299·4	19th	283·6	278·9	2nd	288·7	−0·7	288·8	72	−81
565	Kanayama	37 53	140 46	24·6	1006·4	1009·3	− 2·7	292·6	300·9	19, 20, 27	279·7	273·9	2nd	286·1	−0·8	286·4	48	−53
566	Miyako	39 38	141 59	30·4	1004·7	1008·3	− 3·3	291·9	302·4	26th	279·4	273·5	12th	285·7	−0·2	285·2	40	−84

MAY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1017·1	1018·4	+ 1·0	299·8	301·9	..	294·2	291·9	..	297·0	+0·2	*296·9*	42	+2
614	La Paz	24 10	110 20	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	822·6	..	+ 2·7	..	308·0	27th	..	284·0	7th	..	+0·6	*296·4*	3	−24
616a	Monterry	25 40	100 19	535	950·6	1010·5	..	..	312·0	3rd	..	283·4	7th	..	..	*297·0*	24	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	302·5	..	..	?283·0	..	..	+4·2	295·4	12	−40
618	Galveston	29 18	94 50	16·5	1012·5	1014·5	+ 0·4	297·4	301·9	28th	292·6	284·7	7th	295·0	−2·4	*294·7*	88	−3
618a	New Orleans	29 58	90 4	16·2	..	1015·2	+ 0·3	299·6	304·7	31st	291·1	285·2	8th	295·3	−1·5	*295·2*	41	−73
619	Merida, Yuc	20 58	89 41	22	1009·7	1012·2	..	..	310·0	22nd	..	291·0	18th	..	..	‡*301·4*	21	−87
620	Havana	23 8	82 21	24·3	..	1015·3	+ 0·9	301·7	305·4	27th	295·1	289·4	17th	298·4	+0·1	*298·5*	28	−35
620a	Key West	24 33	81 48	6·7	1014·5	1015·2	+ 0·2	301·2	304·1	24th	295·6	290·8	16th	298·4	−0·7	*298·4*	52	−45
621	Nassau, Bahamas	25 5	77 21	3·7	..	1017·5	+ 1·3	300·7	303·6	25th, 26th	295·6	291·1	15th	298·1	−0·3	*298·0*	99	..
622	Watling Island	24 6	74 26	33·5	1011·6	1015·5	− 0·4	..	301·3	30th, 31st	..	292·4	15th	..	..	*298·1*	..	..
633	Izaña	28 19	16 30	2367	768·4	..	..	287·0	292·2	28th	277·5	271·8	12th	282·3	..	*281·6*	2	−11
634	La Laguna	28 28	16 20	547	953·7	1016·7	− 1·8	294·0	297·8	22nd	285·6	281·7	8th	289·8	+0·5	*289·2*	7	..
637	Insalah	27 8	W 2 27	?280	..	..	..	312·7	316·8	16th	293·6	288·3	5th	303·2	+0·4	*303·8*	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	998·3	1009·7	+ 0·1	310·1	318·8	23rd	293·9	287·9	2nd	302·0	−1·1	*301·3*	..	..
644	Tor	28 14	33 37	1·9	1009·8	1010·0	+ 0·2	302·5	310·1	19th	292·6	286·9	8th	297·5	−0·3	*297·0*	..	..
647	Bushire	28 59	50 53	4·3	1006·4	1007·0	− 1·0	304·4	309·1	15th	297·5	293·3	11th	300·9	−0·1	*300·3*	0	−1
648	Jask	25 44	57 47	4·0	1005·8	1006·3	− 0·1	306·1	312·6	29th	298·2	295·2	17th	302·1	−0·5	*301·5*	0	0
649	Robat	29 45	60 55	?	905·1	..	..	309·4	315·2	30th	294·1	289·7	22nd	301·7	..	..	1	..
649a	Karachi	24 53	66 57	4·0	1006·7	1007·2	+ 1·5	304·3	306·2	31st	298·5	294·8	2nd	301·4	−0·2	*300·8*	2	0
650	Hyderabad, Sind	25 24	68 18	29·3	1002·3	1005·5	+ 1·5	311·3	315·2	29th	297·8	294·0	30th	304·5	−2·2	*303·9*	49	+45
650a	Jacobabad	28 17	68 29	56·7	998·9	1005·2	+ 2·5	313·7	318·3	25th	298·7	292·9	1st	306·2	−1·9	*305·8*	4	+1
651	Jaipur	26 56	75 52	436	959·3	1007·4	+ 2·3	306·6	311·1	26th	294·7	291·4	20th	300·6	−5·9	*300·2*	56	+42
652	Nagpur	21 8	79 5	310	973·5	1007·9	+ 2·9	309·1	312·5	28th	295·8	292·2	4th	302·4	−5·9	*301·8*	64	+44
653	Allahabad	25 25	81 51	94·1	996·5	1007·1	+ 3·7	309·1	314·4	31st	296·9	293·3	5th	303·0	−4·0	*302·6*	57	+51
653a	Darjiling	27 3	88 18	2266	775·7	..	+ 0·5	291·5	295·3	22nd	284·2	281·8	3rd	287·8	+0·4	*287·9*	285	+64
654	Calcutta	22 36	88 23	6·4	1006·1	1006·9	+ 1·8	307·2	309·8	1st	297·4	294·2	10th, 22nd	302·3	−0·8	*302·1*	209	+63
655	Gauhati	26 8	91 41	59·7	1001·8	1008·6	+ 0·9	305·9	310·3	27th	295·9	294·2	10th	300·9	+1·3	*299·8*	70	−170
655m	Cherrapunji	25 15	91 42	1314	867·4	..	+ 0·9	295·1	297·5	19th, 31st	288·6	276·4	2nd	291·9	−0·1	*291·3*	1151	+334
655a	Akyab	20 11	92 56	6·1	1007·8	1008·4	+ 1·0	304·9	306·6	19th	295·8	293·4	11th	300·4	?−1·8	*300·7*	271	−24
656	Mandalay	21 59	96 0	76·2	999·2	1007·7	+ 0·6	311·8	317·0	19th	299·6	296·9	21st	305·7	+0·8	*305·4*	123	−20
656a	Tengyueh	24 59	98 35	1633	831·8	..	..	297·3	300·8	18th	285·2	281·3	1st	291·3	..	*290·7*	40	..
657	Phu Lien	20 48	106 37	116	995·0	1008·4	+ 0·4	301·4	306·7	13th	294·9	289·6	1st	298·2	−1·2	297·4	61	−152
658	Moncay	21 31	107 51	9	1007·7	1008·7	+ 0·9	302·4	306·7	15th	294·5	287·6	1st	298·5	−1·1	*297·6*	52	−210
659	Hong Kong	22 18	114 10	33·2	..	1009·8	+ 0·4	299·3	305·0	31st	294·6	288·4	1st	296·9	−1·1	296·8	246	−49
660	Amoy	24 27	118 4	ca.3	1010·8	1011·2	+ 0·5	297·7	304·1	30th	292·8	287·4	1st	295·2	−1·2	*294·9*	245	+70
661	Taihoku, Formosa	25 2	121 31	9·3	1009·5	1010·6	+ 0·2	299·8	305·4	31st	291·5	283·0	1st	295·6	−1·4	295·5	264	+35
661a	Santo Domingo	20 28	121 59	18·7	..	1008·4	− 0·2	303·0	305·5	16th	296·9	294·2	7th	299·9	−0·6	*299·7*	248	+3
662	Naha	26 13	127 41	10·5	1010·3	1011·5	+ 0·4	297·5	301·7	13th	290·6	284·2	1st	294·1	−2·1	294·0	343	+80
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1013·1	1013·6	+ 0·5	297·2	301·6	21st	291·9	285·8	6th	294·5	−1·3	294·5	496	+302
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

MAY—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 14	103 47	507	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 12	1939	807·9	..	..	..	304·6	26th	..	277·5	10th	..	..	*293·0*	14	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·1	1011·1	− 0·4	298·8	303·9	26th	284·6	280·4	16th	291·7	+0·9	291·3	24	− 27
718	Oaxaca	17 3	96 45	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718a	Salina Cruz	16 12	95 12	56·3	1005·4	1011·9	..	301·5	305·9	9th	297·0	292·5	17th	299·2	..	*298·8*	265	..
719	San Salvador	13 42	89 12	‡665	938·0	1012·3	+ 1·9	305·4	308·5	27th	291·5	288·5	17th	298·5	−0·6	*296·7*	68	− 99
720	Belize	17 29	88 12	5·2	1011·0	1011·7	+ 0·1	304·2	306·3	5th	..	..	..	..	..	‡*298·6*	167	+ 21
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·5	+ 0·9	303·2	305·3	25th	295·6	293·3	2nd	299·4	+0·2	*299·0*	95	− 54
722	Port au Prince	18 34	72 22	37·4	1009·8	1014·1	+ 0·7	303·9	306·6	28th	294·4	292·7	4th	299·2	−0·9	298·5	277	+ 33
723	Caracas	10 30	66 55	‡1010	901·1	..	+ 0·9	299·3	302·6	16th	288·4	285·1	9th	293·8	−2·0	*292·1*	34	− 37
724	Montserrat	16 41	62 9	39·6	1010·5	1015·1	+ 0·2	304·9	306·9	14th	295·4	293·0	2nd, 17th	300·2	..	*299·6*	79	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	994·9	1012·8	+ 0·3	302·8	304·7	18th	296·4	294·7	26th	299·6	+0·2	*299·2*	54	− 64
725	Barbados	13 8	59 36	55·2	..	1014·4	+ 0·5	303·7	304·5	1, 12, 20	294·9	293·4	2nd, 14th	299·3	0·0	*299·2*	68	− 3
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·7	1014·0	− 0·6	298·4	300·0	31st	293·4	293·0	25th	295·9	+0·4	*296·8*	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·5	1014·1	− 0·5	300·5	302·0	5th, 31st	294·8	293·2	3rd	297·7	+0·7	*297·7*	0	0
733	Bathurst	13 24	16 36	1·5	..	1013·7	+ 0·3	301·7	305·2	20th	..	..	..	..	−0·7	*299·0*	0	− 5
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	313·9	315·8	4, 13, 16	295·9	293·6	18th	304·9	0·0	..	23	+ 12
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	312·8	316·1	1st	299·0	296·5	19th	305·9	−1·8	*305·8*	10	..
737	Sokoto	13 2	E 5 14	353	..	..	..	311·6	316·3	8th, 9th	297·4	294·1	25th	304·5	−0·8	*304·2*	107	+ 57
738	Kaduna Capital	10 32	7 25	637	..	..	..	304·8	309·1	2, 6, 9	293·6	289·7	14th, 29th	299·2	−0·6	*298·8*	169	− 17
739	Katagum	12 17	10 22	30·7	..	..	..	313·4	316·9	17th	295·3	290·2	8th	304·4	−0·8	*304·1*	15	− 21
740	Maiduguri	11 47	13 11	361	..	..	..	313·0	316·9	17th	296·4	293·0	26th	304·7	−1·4	*304·4*	81	+ 53
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	1	..
743	El Obeid	13 11	30 14	569	944·9	1007·5	+ 0·2	310·1	313·0	14, 15, 16	292·2	285·4	4th	301·1	−1·8	*301·1*	33	+ 22
743a	Khartoum	15 37	32 33	390	962·5	1005·6	− 0·5	312·3	316·0	22nd	296·8	289·3	4th	304·5	−1·8	*304·8*	0	− 3
744	Port Sudan	19 37	37 13	5·9	1007·8	1008·4	− 0·1	307·4	312·0	16th, 28th	295·9	292·0	5th, 8th	301·7	−0·5	*301·4*	0	− 1
745	Berbera, Somaliland	10 22	45 2	9·2	1008·5	1009·6	+ 0·9	308·1	316·3	27th	299·9	298·0	20th, 21st	304·0	+0·1	*303·9*	2	− 6
746	Aden	12 45	45 3	28·7	1004·8	1008·0	− 1·3	306·1	308·2	27th	300·4	295·7	5th	303·2	−0·4	*302·5*	23	+ 20
751	Bombay	18 54	72 49	11·3	1009·0	1010·2	+ 0·7	305·2	306·1	29th	299·2	296·9	5th	302·2	−0·6	*301·7*	22	+ 4
751a	Cochin	10 58	76 21	2·7	1010·2	1010·4	+ 0·6	305·3	306·7	1st	297·7	295·8	30th	301·5	−0·2	*300·9*	159	−131
752	Kodaikanal	10 14	77 28	2343	770·9	..	− 0·1	293·3	295·6	13th	284·2	282·0	5th	288·7	−0·9	*288·7*	178	+ 29
752a	Bangalore	12 59	77 38	920	909·9	1009·6	+ 0·9	305·6	308·4	25th	292·8	290·1	4th	299·2	−0·6	*298·2*	95	− 15
753	Madras	13 4	80 14	6·7	1007·7	1008·4	+ 1·4	309·1	313·7	26th	299·4	296·6	29th	304·3	−0·8	*303·7*	16	− 12
754	Waltair	17 45	83 16	68·9	1000·3	1008·0	+ 2·1	305·7	310·5	28th	297·9	295·0	3rd	301·8	−1·4	*301·2*	67	+ 8
755	Port Blair	11 40	92 40	17·7	1007·6	1009·6	+ 0·7	304·2	306·2	15th, 18th	298·3	295·7	26th	301·2	−0·4	*300·6*	296	−133
756	Rangoon	16 46	95 48	5·5	1008·6	1009·3	+ 0·9	307·3	311·9	7th	297·6	295·9	19th	302·4	+0·3	*301·1*	194	−116
757	Saigon	10 47	106 42	11·2	1006·9	1008·1	+ 0·2	305·6	307·3	14th	296·9	295·4	9th	301·3	−0·9	*300·7*	248	+ 45
758	Nhatrang	12 15	109 12	3·6	1007·5	1007·9	+ 0·1	305·3	307·8	14th	296·5	295·2	2nd	300·9	−0·8	*300·3*	25	− 39
759	Bolinao	16 24	119 53	9·7	..	1007·0	− 0·8	306·0	307·0	4, 7, 19	296·9	295·0	3rd	301·5	−0·9	*300·9*	218	+ 39
761	Vigan	17 34	120 23	12·2	..	1008·4	− 0·2	306·1	307·3	30th	297·3	295·6	6th	301·7	−0·4	301·3	131	− 27
761a	Manila	14 35	120 59	14·2	..	1008·7	0·0	306·9	309·0	15th	296·6	293·7	19th	301·7	−0·5	300·9	54	− 51
762	Ormoc	11 0	124 36	5·6	..	1009·1	+ 0·4	305·3	307·5	16th	295·5	293·8	4th	300·4	−0·1	299·6	118	+ 30
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1010·1	+ 0·8	304·3	306·0	15th	297·8	295·6	13th	301·1	+0·3	*301·3*	72	− 32
		N.	E.															

MAY—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	303·2	306·9	13th	296·7	295·2	17th	299·9	−0·5	*299·2*	306	− 67
821	Colon	9 23	79 23	11·0	..	1011·8	+ 1·3	301·5	304·7	13th	296·7	295·2	29th	299·1	−0·7	*298·7*	308	− 15
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	192	+ 89
822a	Merida, Venez	8 36	71 9	1641	‡842·3	..	..	297·0	298·5	13th	288·4	286·8	28th	292·7	..	*291·5*	410	..
824	El Peru, Guayanavieja	7 30	62 0	220	985·8	1010·8	0·0	303·7	306·6	2, 6, 8	..	..	..	..	..	..	162	+ 12
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·3	+ 1·4	302·5	303·6	16th	296·6	294·7	23rd	299·6	−0·1	*299·3*	202	− 85
826	Paramaribo	5 49	55 9	3·7	..	..	..	302·9	305·5	11th	‡293·7	‡290·9	8th	‡298·3	−0·3	*298·2*	174	−142
826a	Cayenne	4 56	52 21	6	..	..	..	303·8	304·8	18th	294·9	294·0	27, 28, 30	299·3	−0·2	*298·3*	610	+ 53
833	Conakry	9 31	13 43	16	1009·3	1011·1	+ 0·8	305·2	308·1	11th	298·3	296·0	16th	301·7	+0·9	*301·2*	0	−187
834	Freetown, Sierra Leone	8 30	13 9	68·3	1003·3	1011·1	− 0·6	304·5	306·9	9th	296·9	294·1	17th, 23rd	300·7	0·0	*299·4*	191	− 95
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	252	+ 62
836	Accra	5 33	W 0 12	25·7	..	..	..	303·2	..	..	297·5	..	..	300·3	+0·6	*299·9*	265	+119
837	Lagos	6 27	E 3 24	1·8	1011·8	1012·0	− 0·4	304·4	313·2	..	297·1	294·2	..	300·7	+0·4	*300·2*	313	+ 50
838	Zungeru	9 48	6 10	130	..	..	..	308·0	311·9	8th, 11th	296·7	293·0	16th	302·4	+0·6	*301·9*	100	− 23
838a	Libreville	0 23	9 26	35	..	..	..	304·3	306·0	3rd	295·5	293·9	14th	299·9	+0·3	*299·3*	325	+ 89
839	Yola	9 12	12 30	259	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Wau	7 42	28 3	440	959·6	1008·8	+ 0·4	307·5	311·5	8th	294·5	292·5	13th	301·0	−0·6	*299·5*	98	− 41
843	Mongalla	5 11	31 47	439	..	..	..	310·9	312·0	2, 24, 25	294·8	293·0	28th	302·9	+1·3	*300·4*	64	− 73
843a	Malakal (Kodok)	9 35	31 37	394	965·0	1009·3	+ 1·2	307·6	312·0	8th, 9th	292·4	289·0	5th	300·0	..	*299·4*	124	+ 58
844	Entebbe	0 5	32 29	1171	883·5	..	− 0·6	299·0	300·2	29th	289·9	288·7	16, 17, 29	294·5	+0·1	*293·7*	251	+ 35
845	Harrar	9 42	42 30	1856	..	..	..	300·2	..	..	288·1	..	..	294·2	+0·4	..	126	0
851	Minicoy	8 17	72 49	2·1	1011·7	1011·9	+ 1·7	..	..	..	..	..	..	..	..	..	91	− 53
852	Colombo Observatory	6 54	79 53	7·3	1008·3	1009·1	+ 1·0	304·0	305·6	17th	297·6	294·8	1st	300·8	−0·4	*300·2*	142	−169
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	295·7	298·4	26th	282·1	275·2	18th	288·9	−0·6	*288·1*	51	−121
854	Trincomalee	8 34	81 14	30·2	1004·2	1007·6	+ 1·8	307·2	309·9	23rd	297·8	295·1	2nd	302·5	−0·6	301·9	41	− 21
855	Kota Radja	5 32	95 20	7·1	..	1009·0	− 0·7	..	..	..	..	..	..	..	..	..	99	− 56
856	Medan	3 35	98 41	25·0	..	1009·2	− 0·4	304·0	305·9	27th	295·0	291·6	22nd	299·5	..	299·0	67	−113
857	Penang	5 34	100 20	5·0	1009·5	1010·1	+ 0·3	304·4	305·8	2nd	295·2	293·6	6th, 14th	299·8	−1·1	*299·2*	353	+ 79
858	Singapore	1 17	103 51	3	1008·7	1009·0	− 0·1	302·5	305·2	4, 14, 16	296·9	295·8	27, 28, 29	299·7	−1·1	*299·3*	181	+ 12
859	Sandakan	5 50	118 7	31·7	..	..	..	304·9	306·3	10, 13, 22	296·6	295·2	30th	300·7	−0·4	*300·2*	170	+ 18
860	Iwahig	9 44	118 38	4·3	..	1007·5	0·0	304·5	306·6	2nd	295·1	293·8	21st	299·8	..	*298·6*	261	..
861	Tagbilaran	9 38	123 51	21·3	..	1008·7	+ 0·3	305·2	307·5	9th	296·3	295·0	14th, 15th	300·7	−0·7	299·9	142	+ 64
861a	Menado	1 30	124 50	8·5	..	1009·5	+ 0·7	302·6	304·8	18th	295·8	294·8	23rd	299·2	..	298·7	318	+163
862	Surigao	9 48	125 29	6	..	1008·8	+ 0·1	304·1	305·5	9th	296·6	295·7	31st	300·3	0·0	300·0	45	− 90
863	Yap	9 29	138 8	31·9	..	1008·7	+ 0·8	305·8	307·2	2nd	297·2	296·0	15th	301·5	+0·1	*300·8*	311	+ 34
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

MAY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1011·8	1012·7	+ 2·1	303·8	305·2	7th	295·3	293·6	16th	299·5	−1·8	*298·7*	93	− 6
924	Manaos	3 8	60 1	43·8	..	..	..	302·1	305·0	1st, 9th	295·9	294·4	30th	299·0	−1·5	*298·3*	216	+ 58
926	Taperinha	2 30	54 42	20·0	1010·6	1012·9	..	300·9	302·6	sev. dates	294·9	293·4	18th	297·9	..	*296·9*	350	+174
927	Turyassu	1 43	45 27	15·1	1010·5	1012·2	+ 0·9	303·4	306·0	11th	294·4	293·1	31st	298·9	−1·2	*297·5*	448	+172
928	Barra do Corda	5 31	45 16	81·0	1001·3	1010·7	− 0·2	303·6	306·6	9th	293·9	290·8	27th	298·7	+0·2	*297·7*	233	+ 78
929	Quixeramobim	5 16	39 15	207	989·3	1013·0	+ 0·4	301·0	303·4	10th	295·7	294·2	24th	298·3	−1·6	*297·9*	171	+232
930	Fernando Noronha	3 50	W32 55	106	1000·4	1012·7	− 1·3	300·1	301·7	27th	296·2	294·1	23rd	298·1	..	*297·9*	453	
939	Loanda	8 49	E 13 13	59·3	..	1010·3	− 1·6	300·6	302·5	1st	296·2	294·6	17th	298·4	+0·9	298·2	71	+ 63
940	Brazzaville	4 17	15 16	290	978·2	1011·1	− 0·8	303·9	307·0	5th	293·6	292·0	16th	298·7	−0·2	*298·0*	162	+ 12
943	Masaka	0 21	31 47	?1280	..	..	..	296·4	298·6	6, 10, 13	288·3	286·3	3rd	292·4	−0·4	*292·1*	153	− 10
944	Nairobi	1 14	36 44	1800	..	..	..	294·7	296·9	20th	284·7	280·2	16th	289·7	−0·7	*289·0*	182	+ 52
944a	Zanzibar	6 10	39 11	21·9	1013·1	1015·5	− 0·5	301·1	302·6	9th	297·0	295·2	31st	299·1	−0·1	*298·7*	270	− 20
945	Lamu	2 16	40 50	3·1	..	..	..	304·1	306·9	16th	296·3	295·8	18th	300·2	−0·1	*299·7*	498	+ 64
947	Seychelles, Port Office	4 37	55 27	4·6	1010·8	1011·3	+ 0·4	301·2	302·0	8th, 9th	298·7	295·8	7th	299·9	−0·5	*299·3*	11	−143
957	Padang	0 56	100 22	6·7	..	1010·4	− 0·3	303·7	304·9	13th	296·7	295·3	22nd	300·2	..	299·7	271	− 50
958	Batavia	6 11	106 50	8·0	1009·0	1009·9	+ 0·4	303·3	304·5	12th	296·4	295·8	22, 26, 27	299·9	0·0	299·5	55	− 47
958a	Pontianak	0 1	109 20	2·6	..	1009·7	0·0	304·0	306·9	31st	296·5	295·6	26th	300·3	..	299·6	342	+ 72
959	Passercean	7 38	112 55	5·0	..	1010·2	+ 0·3	303·3	304·5	30th	295·3	292·9	31st	299·3	−0·2	299·3	41	− 50
960	Kajoemas	7 56	114 9	1060	..	..	..	296·2	298·2	8th	290·6	290·3	29th	293·4	..	292·8	164	+ 10
962	Ambon	3 42	128 10	4·2	..	1010·1	+ 0·9	302·0	304·4	22nd	296·6	295·5	12th	299·3	+0·6	298·8	580	+ 64
963	Manokwari	0 52	134 20	19·0	..	1008·7	+ 0·1	302·1	303·8	3rd	296·0	294·2	22nd	299·1	..	298·7	78	−150
965	Daru	9 4	143 13	7·6	..	1010·8	+ 0·1	302·1	..	..	..	..	..	..	0·0	‡*300·3*	396	+124
966	Port Moresby	9 29	147 9	39·0	..	1010·8	+ 0·2	303·9	..	..	296·9	..	..	300·4	+0·3	*299·9*	137	+ 60
967																		
968	Rendova	8 30	157 12	1·8	1010·1	1010·2	+ 1·0	..	..	..	..	..	..	..	..	..	367	+ 43
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1011·0	1011·3	+ 1·5	303·6	305·4	29th	297·3	295·7	13th, 14th	300·4	−0·1	*300·1*	259	+ 75
970	Ocean Island	0 52 S.	169 35 E.	25·6	1006·0	1009·0	+ 0·9	303·7	304·7	24th	297·4	295·2	17th	300·6	−0·2	*299·9*	7	−147

MAY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1013·5	+ 2·6	302·4	303·4	20th	295·2	294·1	16th, 22nd	298·8	−0·1	298·3	84	− 54
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·4	302·4	1, 5, 21	..	..	..	..	..	..	180	+ 28
1007	Makatea	15 47	148 14	47	1007·9	1013·3	..	303·1	305·0	10th	295·1	293·2	7th	299·1	+0·1	*298·6*	109	− 11
1021	Arequipa	16 22	71 33	2451	762·2	..	+ 0·5	291·9	293·4	1st, 4th	280·7	278·1	10th	286·3	−1·0	*285·3*	0	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	292·9	294·2	1st, 2nd	287·1	286·2	22nd, 27th	290·0	+0·3	*290·9*	0	0
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	730·5	..	..	287·5	292·6	24th	274·8	271·2	22nd	281·1	..	*281·2*	0	− 7
1025	Corumba	19 0	57 39	155	1001·1	1019·4	..	306·3	312·4	5th	..	..	..	..	..	‡*290·8*	11	− 74
1026	Cuyaba	15 36	56 6	165	996·0	1015·2	+ 3·1	298·6	305·0	25th	291·4	283·2	31st	295·0	−3·7	*294·9*	16	− 55
1027	Bello Horizonte	19 55	43 55	857	920·6	1017·5	+ 0·2	296·6	300·0	4th, 5th	284·0	279·0	14th	290·3	−0·7	*290·8*	8	− 10
1028	Caetite	14 2	42 39	900	916·7	1017·2	+ 0·4	298·2	302·5	10th	288·7	284·4	17th	293·5	−0·2	*293·8*	4	− 37
1029	Ondina (Bahia)	13 0	38 30	46·6	1009·5	1014·9	+ 0·2	300·9	303·0	10th	295·2	293·5	18th	298·1	−0·3	*297·5*	250	+232
1030	Aracaju	10 55	37 3	4·0	1014·0	1014·4	− 0·1	301·3	303·4	12th	295·8	294·5	22nd	298·5	−0·9	*298·4*	391	
1035	St. Helena	15 57	W 5 40	632	945·7	1016·9	− 0·2	295·3	299·4	18th	287·6	285·8	28th	291·5	+1·0	*291·5*	73	− 32
1042	Gwelo	19 27	E 29 49	1417	863·2	..	− 1·0	297·9	303·6	11th	282·7	278·0	1st, 18th	290·3	+1·7	..	6	− 4
1043	Salisbury, Rhodesia	17 48	31 5	1457	858·7	..	− 1·1	298·1	301·9	10th, 24th	282·7	278·6	21st	290·4	+1·5	..	10	− 5
1044	Zomba	15 23	35 18	‡945	909·7	1015·5	− 0·8	298·0	301·9	12th	287·1	283·6	26th	292·5	+0·8	*292·2*	19	− 10
1045	Tananarivo	18 55	47 32	1400	865·6	..	− 0·5	296·2	298·2	9, 10, 14	285·8	283·0	24th	291·0	+1·2	*290·2*	2	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·8	1012·3	+ 0·6	301·3	302·4	16th, 17th	298·8	296·1	12th	300·1	−0·1	*299·9*	148	− 60
1056																		
1057	Christmas Island	10 25	105 43	5·5	1008·0	1008·6	+ 0·1	304·0	305·2	..	296·4	294·7	..	300·2	−0·2	*299·5*	206	− 38
1058																		
1061	Koepang	10 10	123 34	45·1	..	1010·8	+ 0·4	303·9	305·7	9th	294·5	292·1	27th	299·2	..	298·7	18	− 19
1061a	Derby	17 18	123 40	16·2	1012·2	1014·2	+ 0·6	303·6	307·7	10th	290·8	283·8	27th	297·2	−1·0	..	1	− 20
1062	Hall's Creek	18 13	127 46	374	972·8	1014·9	− 0·4	301·8	307·4	9th	283·9	276·4	27th	292·8	−1·6	*292·2*	1	− 9
1063	Port Darwin	12 28	130 51	29·6	1007·5	1010·9	0·0	304·7	307·4	1, 2, 8	294·7	288·8	28th	299·7	−0·9	*298·5*	0	− 17
1064	Daly Waters	16 16	133 23	211	988·0	1011·9	− 1·1	302·3	308·6	5th	286·2	279·7	27th	294·3	−2·4	*293·7*	1	− 3
1065	Mein	13 13	142 47	122	996·6	1010·4	− 0·4	303·1	305·9	9th	292·2	284·4	14th	297·7	−0·2	*297·0*	17	+ 44
1066	Georgetown, Queensland	18 22	143 32	302	979·6	1013·8	− 0·4	301·7	305·2	6th	287·5	278·0	13th	294·6	−1·1	..	54	
1067	Samarai	10 37	150 40	15·2	..	..	..	301·6	..	..	296·7	..	..	299·2	+0·1	*298·9*	480	+172
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	1013·6	1015·6	+ 1·2	301·3	304·1	28th	295·2	293·1	24th, 25th	298·2	+0·5	*297·9*	349	+ 51
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

MAY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	299·9	301·3	2, 16, 19	293·4	291·3	11th, 12th	296·6	+0·4	*296·3*	348	+185
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·0	1018·2	+ 1·6	290·2	293·0	3rd	284·5	282·0	29th, 31st	287·3	+1·1	*287·4*	2	− 32
1123	Iquique	20 12	70 11	9	1015·6	1016·7	+ 1·4	294·8	296·6	7th	284·2	282·0	22nd	289·5	−0·4	*289·9*	0	0
1124	Catamarca	28 27	65 47	529	..	1018·4	+ 5·2	295·3	303·3	1st	280·5	273·5	28th	287·9	−1·6	287·2	15	+ 3
	Salta	24 46	65 28	1178	886·7	1018·7	+ 3·7	291·8	298·5	7th	276·3	268·6	31st	284·1	−2·1	284·8	6	− 3
1125	Goya	29 9	59 15	26	..	1022·2	+ 6·0	294·1	300·5	24th	280·9	273·0	29th	287·5	−1·6	287·6	0	− 70
1126	Asuncion	25 21	57 37	95	‡1010·9	‡1022·4	+ 5·1	294·4	302·0	25th	283·2	274·3	29th	288·8	−4·4	287·5	38	− 59
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1010·6	1017·9	+ 1·0	295·8	299·6	..	290·8	286·8	..	293·3	−1·7	293·1	73	− 11
1139	Windhoek	22 34	E 17 6	1665	..	..	..	293·4	296·1	30th	282·3	278·4	12th	287·8	−1·0	*287·8*	0	− 6
1140																		
1141	Kimberley	28 42	24 47	1202	884·7	..	− 1·4	294·0	298·3	25th	276·0	270·2	31st	285·0	−1·2	284·5	2	− 20
1142	Johannesburg	26 11	28 4	1806	825·0	..	− 0·7	290·2	294·1	24th	280·3	275·1	27th	285·3	−0·1	*284·9*	19	+ 1
1142a	Pretoria	25 45	28 12	1338	872·5	..	+ 0·1	293·4	296·7	24th	279·2	273·1	31st	286·3	−0·5	*285·9*	33	+ 19
1143	Durban	29 52	31 3	15·2	1016·2	1018·0	..	297·4	304·1	26th	287·6	284·3	14th	292·5	+0·2	*291·9*	29	− 20
1144	Lorenzo Marques	25 58	32 36	59	..	1017·8	− 1·3	299·6	305·4	23rd	288·6	285·6	17th	294·1	0·0	293·5	11	− 19
1147	Mauritius	20 6	57 33	55·2	1008·8	1015·3	− 1·1	299·2	300·7	9th	291·0	286·9	18th	295·1	−0·6	294·7	24	− 53
1159	Onslow	21 43	114 57	4·3	1013·8	1014·6	0·0	300·6	304·2	8th	286·8	280·8	15th	293·7	−1·4	..	20	− 17
1160	Peak Hill	25 38	118 47	588	949·0	1015·9	− 0·5	294·5	302·4	1st	282·0	278·8	21st	288·2	−2·5	..	4	− 19
1161	Nullagine	21 53	120 5	386	971·9	1015·8	0·0	298·1	304·1	2nd	282·7	276·3	16th	290·4	−2·7	..	0	− 13
1162	Laverton	28 40	122 23	466	964·6	1018·4	− 1·0	292·6	298·9	1st	279·2	273·3	17th	285·9	−2·8	*285·8*	11	− 14
1163	Alice Springs	23 38	133 37	587	949·9	1016·8	− 1·5	294·3	302·4	4th	278·6	272·4	27th	286·4	−1·9	*286·3*	1	− 16
1164	William Creek	28 55	136 21	76·2	1008·5	1017·6	− 2·8	294·1	299·7	31st	280·5	276·4	26th	287·3	−0·8	*287·0*	0	− 10
1164a	Boulia	22 55	139 38	146	998·3	1015·2	− 0·7	297·7	307·3	5th	281·0	274·7	13th	289·3	−3·4	*289·2*	0	− 10
1165	Thargomindah	27 58	143 43	123	1001·2	1015·6	..	295·3	304·1	5th, 6th	280·7	276·3	25th	288·0	..	*287·8*	8	− 15
1166	Mitchell	26 32	147 52	336	..	..	..	294·7	301·3	5th	276·3	271·9	14th	285·5	−2·0	..	7	− 32
1167	Rockhampton	23 24	150 30	11·3	1014·1	1015·4	− 2·2	297·7	302·2	6th	285·2	279·7	16th	291·4	−1·9	*290·6*	28	− 13
1168	Brisbane	27 28	153 2	11·6	1014·8	1016·2	− 2·7	295·8	301·3	6th	283·9	278·8	21st	289·8	−1·2	*289·1*	12	− 61
1169	Quitchambo	21 52	166 3	38	1009·0	1013·4	..	300·3	304·0	24th	289·1	284·0	30th	294·7	..	..	155	+ 57
1170	Norfolk Island	29 5 S.	167 53 E.	15·2	1012·6	1014·0	− 3·8	294·2	296·9	4th	289·5	285·8	21st, 22nd	291·8	+0·2	*291·4*	104	− 30

MAY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	290·6	293·0	1st, 6th	286·1	282·5	24th	288·3	+0·3	*288·8*	57	− 90
1221a	Punta Tumbes	36 37	73 6	91	‡1007·9	‡1019·0	+ 2·4	287·7	291·5	8th	280·2	275·5	26th	283·9	−1·3	*283·9*	45	− 42
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1013·6	1018·6	+ 1·6	289·3	294·5	9th	282·4	279·7	28th	285·9	−1·4	*285·5*	73	− 19
1222a	Santiago	33 27	70 42	520	957·4	1019·0	+ 1·9	290·3	298·4	1st	277·6	273·1	20th	283·9	−0·4	*282·7*	30	− 29
1223	Cordoba	31 25	64 12	423	970·7	1021·2	+ 5·9	292·1	299·7	..	276·2	270·0	..	284·1	−2·8	283·5	0	− 25
1224	Bahia Blanca	38 45	62 15	25	..	1020·0	+ 6·1	288·3	295·0	6th	278·5	272·9	29th	283·4	−1·4	283·1	9	− 22
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1021·8	+ 4·7	288·5	292·7	5th	279·0	271·5	28th	283·7	−2·5	283·9	5	− 72
1226	Montevideo (Prado)	34 52	56 12	24·9	1018·4	1021·4	+ 4·9	289·4	295·1	24th	281·2	274·0	17th	285·3	−1·5	285·3	23	− 75
1226a	Porto Alegre	30 2	W51 13	23·5	1018·9	1021·8	+ 4·2	292·7	301·5	25th	283·1	276·0	11th	287·9	−2·9	287·4	41	− 80
1239	Cape Town	33 56	E 18 29	12·2	..	1018·1	0·0	291·3	298·4	2nd	283·4	279·2	29th	287·3	−0·5	*285·8*	109	+ 8
1240	Danger Point	34 37	19 18	19·5	..	..	..	290·5	293·8	19th	283·9	279·7	14th	287·2	..	..	65	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 53	9·8	1016·1	1017·3	− 0·8	295·6	305·8	5th	281·6	280·8	31st	288·6	−1·3	..	21	− 33
1259	Perth (Observatory)	31 57	115 51	60·0	1011·0	1018·5	0·0	291·9	295·4	2nd	283·1	276·7	17th	287·5	−1·4	*287·5*	125	+ 1
1260	Katanning	33 42	117 35	310	980·7	1017·6	− 1·0	289·1	293·8	22nd	280·6	276·3	17th	284·8	−1·1	..	89	+ 37
1261	Coolgardie	30 57	121 10	423	968·7	1018·1	− 1·5	290·9	295·5	2nd	280·2	274·9	17th	285·6	−1·6	*285·5*	32	− 3
1262	Eucla	31 45	128 58	4·6	1015·3	1015·9	− 3·1	291·6	299·1	3rd	282·6	279·0	9th	287·1	−1·8	*286·7*	51	+ 19
1263	Streaky Bay	32 48	134 13	13·1	1015·5	1017·0	− 3·8	291·2	296·2	2nd	284·0	280·1	22nd	287·6	−0·3	*287·1*	80	+ 31
1264	Adelaide	34 56	138 35	42·7	1009·4	1014·6	− 5·5	290·3	294·8	30th	283·4	280·0	30th	286·9	−0·4	*286·7*	132	+ 63
1265	Melbourne	37 49	144 58	35·1	1011·8	1012·6	− 0·9	288·6	295·2	4th	280·6	274·1	26th	284·6	−0·7	*284·0*	56	+ 1
1266	Bourke	30 13	145 58	110	1005·5	1018·6	− 1·1	295·2	301·3	4th	281·4	274·7	25th	288·3	−0·1	..	5	− 22
1267	Sydney	33 52	151 12	44·5	1009·0	1014·4	− 4·2	290·4	295·9	6th	282·9	279·1	27th	286·7	−1·1	*286·2*	89	− 42
1268	Lord Howe Island	31 32	159 4	4·6	1013·3	1013·8	..	294·1	297·5	7th	287·7	283·0	30th	290·9	..	..	134	− 4
1271	Auckland	36 50	174 50	38·1	..	1008·1	..	290·8	294·7	9th	284·7	280·8	29th, 30th	287·7	+1·0	..	203	+ 90
1272	Napier	39 32 S.	176 53 E.	21·3	..	1009·6	− 4·9	290·8	297·2	10th	282·1	276·3	30th	286·4	+1·2	..	133	+ 31

MAY—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1321	Isla Huafo	43 34	74 45	140	1000·3	1017·4	+ 4·4	284·5	287·8	20th	280·4	276·6	31st	282·5	+0·5	*282·4*	80	− 56
1322	Punta Galera	40 1	73 44	40	1014·2	1019·1	+ 4·3	285·6	287·3	2nd	279·7	276·8	26th	282·7	−1·1	*282·9*	159	−164
1323	Sarmiento	45 30	69 0	274	..	1013·8	..	286·0	291·8	4th	274·4	265·0	26th	280·2	+0·3	279·6	1	− 21
1324	Puerto Madryn	42 49	W64 58	14	..	1016·3	..	289·2	296·8	2nd	277·6	273·3	28th	283·4	+0·1	283·3	38	+ 13
1365	Launceston	41 27	E147 10	9·4	1007·3	1008·5	− 7·6	287·3	292·5	4th	278·6	271·0	26th	282·9	+0·1	*282·3*	122	+ 54
1366	Hobart	42 53	147 22	53·9	1000·7	1007·2	− 8·4	285·9	291·3	17th	279·0	272·4	28th	282·4	−0·8	*281·8*	59	+ 12
1370	Invercargill	46 25	168 21	5·5	..	..	..	285·9	291·3	10th	277·7	270·8	13th	281·8	+1·2	..	128	+ 11
1371	Dunedin	45 52	170 31	91·4	..	1003·9	− 8·9	286·3	294·1	10th	280·3	274·7	31st	283·3	+2·0	..	220	+136
1371a	Christchurch	43 31	172 38	7·6	..	1008·6	− 5·6	286·9	291·8	12th	279·7	273·1	3rd	283·3	+1·3	..	164	+104
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1009·4	− 5·1	288·6	293·1	10th	283·1	277·9	3rd	285·8	+1·2	..	135	+ 13
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

MAY—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	996·0	1002·7	+ 2·3	282·2	284·6	16th	278·2	275·6	6th	280·2	+1·4	*279·9*	286	+ 42
1422	Puerto de Punta Arenas	53 10	70 54	4	1003·8	1004·3	+ 2·5	280·5	285·8	21st	275·1	271·0	26th	277·8	+1·2	*278·0*	23	− 30
1423	Punta Dungeness	52 24	68 26	5	1004·8	1005·4	+ 4·9	284·1	286·0	2nd	274·4	273·0	11th	279·3	+2·4	*280·6*	24	+ 7
1424	Santa Cruz	52 22	68 21	12	..	1009·2	+ 4·9	284·4	290·9	22nd	275·0	271·8	25th, 27th	279·7	+1·5	279·5	5	− 9
1424*a*	Año Nuevo	54 39	64 9	50	997·2	1003·3	+ 4·2	280·0	282·4	4th	277·6	271·7	8th	278·8	+1·7	278·4	50	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	35	− 25
1426	Cape Pembroke	51 41	57 42	21	..	1009·4	+ 8·6	281·3	284·7	22nd	276·5	273·0	25, 26, 28	278·9	+1·6	279·2	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	1005·7	1006·2	+11·2	278·2	284·8	3rd	270·8	266·7	27th	274·5	+0·8	*274·8*	74	− 77

MAY—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys.	S 60 44	W 44 39	7	997·8	998·7	+ 7·1	274·8	282·2	30th	268·6	259·0	26th	271·7	+4·8	271·2	46	+ 19
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MAY 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. *Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Entebbe. 844. Direction and Force.		Malden Island. 905. Direction and Force.	Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction and Force.
	9h.	m/s	9h.	21h.	9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.
1	SE	5·8	NE 5	NE 4	W 2	W 1	W 2	SW 2	E 3	NW 2	E 4	E 3	S 2
2	SE	2·3	NE 5	E 4	SW 1	W 1	Calm 0	Calm 0	E by S 3	Calm 0	E 5	E 3	SE 1
3	SE	3·3	NE 5	SE 4	E 1	E 1	SW 3	W 3	ESE 3	Calm 0	E 5	E 5	NE 2
4	SE	4·7	E 4	NE 4	S 2	SE 3	SW 2	—	NE 4	ESE 2	E 3	E 5	Calm 0
5	SE	5·8	E 5	E 4	SW 3	Calm 0	N 2	W 3	NE 3	SE 3	E 4	E 4	NW 1
6	ESE	5·5	E 4	E 3	Calm 0	Calm 0	W 3	W 3	E by S 3	ESE 3	E 3	E 2	NW 2
7	ESE	4·2	E 4	E 3	Calm 0	E 3	E 2	W 2	SE 3	ESE 3	E 4	E 5	SW 0
8	SE	5·5	E 4	E 3	Calm 0	Calm 0	—	SW 2	E 3	ESE 6	E 4	E 3	Calm 0
9	SE	7·3	E 4	E 3	W 1	SW 1	W 2	Calm 0	E by N 3	ESE 2	E 4	E 4	SE 1
10	ESE	6·6	E 4	E 4	SE 1	SE 2	Calm 0	SW 2	E by N 3	E 1	ESE 3	E 4	Calm 0
11	SE	5·5	E 4	ENE 5	NW 2	W 1	SW 2	SW 2	E by S 4	NW 2	E 4	E 3	NE 1
12	SE	6·2	ENE 4	NE 4	SW 3	W 3	SW 2	SW 2	E by S 3	NW 3	E 3	E 3	NE 1
13	SE	7·4	NE 4	NE 4	SE 1	Calm 0	W 5	Calm 0	E 2	ESE 1	ESE 4	E 3	NE 1
14	SE	5·7	ENE 4	E 3	W 1	SW 1	W 3	SW 3	NNE 2	ESE 2	E 4	Calm 0	N 1
15	SSE	3·6	ENE 4	ENE 3	SW 2	W 3	W 2	W 2	E by N 2	ESE 1	E 4	E 1	N 1
16	Calm	1·5	ENE 4	ENE 4	Calm 0	SW 3	SW 2	SW 2	NE 1	Calm 0	E 2	Calm 0	SE 5
17	Calm	2·0	NE 4	NE 5	SE 5	E 2	W 5	W 3	E by N 1	ESE 1	ESE 3	E 2	Calm 0
18	SSE	3·2	NE 5	NE 5	SW 4	W 4	N 3	E 3	ENE 2	ESE 2	E 2	E 2	SE 3
19	SE	—	NE 5	E 5	E 3	SE 1	SW 2	W 4	ESE 3	ESE 1	E 4	E 3	SE 3
20	Calm	—	ESE 5	E 4	SW 2	W 3	SW 2	N 2	E 4	ESE 2	E 5	E 5	SE 2
21	S	4·5	NE 5	E 4	W 4	SW 3	Calm 0	E 3	ESE 2	ESE 3	E 5	E 5	SE 2
22	SSE	4·1	SE 5	ENE 4	W 4	SW 2	E 3	W 3	E 3	ESE 4	E 5	E 4	SE 2
23	SE	5·8	ENE 5	E 4	SW 2	W 3	SW 5	W 3	ESE 3	ESE 3	E 5	E 4	NE 1
24	SE	5·0	E 4	E 2	SW 1	W 2	W 3	N 2	ESE 3	Calm 0	SE 4	E 3	E 2
25	SSE	6·1	E 4	ENE 3	W 3	SW 2	N 2	N 2	E by S 2	Calm 0	E 3	E 2	N 1
26	SE	7·0	SE 4	ESE 3	SW 2	W 1	W 3	SW 3	E by S 2	Calm 0	E 4	E 3	N 1
27	SE	6·1	E 4	E 3	SW 3	W 3	SW 2	N 2	E by S 2	Calm 0	E 3	E 2	NW 1
28	SE	6·4	E 4	E 4	S 1	SW 2	N 2	N 2	ESE 2	Calm 0	SE 3	E 4	NE 1
29	SSE	8·8	ENE 5	ENE 5	Calm 0	S 2	N 2	SW 3	E 2	SE 4	E 5	E 3	N 2
30	SSE	7·3	NE 5	E 3	SW 2	W 1	W 3	SW 3	ESE 2	ESE 6	SE 3	E 4	NW 2
31	SSE	5·9	SE 4	E 3	SW 2	W 2	W 3	N 2	ESE 4	SE 4	SE 2	E 1	1st
Mean ..	..	5·3	4·4	3·7	1·9	1·8	2·4	2·3	2·6	2·0	3·7	3·1	65° (28)
†Resultant	140° (84)	..	80° (89)		230° (50)		265° (49)		90° (91)	110° (50)	95° (94)		102° (50)
†Normal	139° (86)	6·0	84° (73)		275° (18)		240° (42)		83° (79)	129° (73)	105° (56)		

* Mean velocity of the South East Trade Wind at 632 metres.
† Direction and "constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MAY 1917.

* *Barents Sea and Spitsbergen.*—The ice edge was more S. than usual, being almost 120 miles S. of Bear Island. The area covered was 1,396 by 10^2 sq. km., compared with a normal of 981 by 10^2 sq. km. The ice was packed to about 15° E., then scattered, until a solid edge was reached in 4° W., probably joining the Greenland ice.

* *Greenland Sea, Iceland and Denmark Strait.*—Owing to the extraordinary cold, young ice formed when the weather was quiet. The position of the ice edge was normal in the N. but in the S. a tongue of ice stretched towards Langanes, while the edge at the end of the month was about 50 miles N. of Mevenklint and 30 miles N. of Cape North. The area covered was 1,205 by 10^2 sq. km., compared with a normal of 1,062 by 10^2 sq. km. The coasts of Iceland were free but for one day, the normal being 7 days. Off Angmagsalik the ice was closely packed except for scattering at the coast.

North Atlantic and Labrador.—Icebergs were normal.

* *Davis Strait and Baffin Bay.*—The ice was packed from about 60 miles off Cape Farewell to Ivigtut with a tongue of ice off Nunarsuit stretching to 50° W., which disappeared on the 23rd. Some "Storis" was seen in the Strait, but the coast was free except at Melville Bay.

* *Bering Sea.*—Was known to be free of ice in the S. and Bristol Bay was open. Ice on the rivers began to break.

**Isforholdene i de Arktiske Have*, 1917, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JUNE 1917.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JUNE 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

JUNE—ZONE 1.

Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	?1011·0	..	+ 2·7	..	?281·1	30th	..	?271·7	9th	..	..	*?276·4*	4	..
124 125	Upernivik	72 47	W56 7	18·9	1010·6	1012·9	+ 0·7	278·7	284·1	29th	270·0	261·0	1st	274·3	−1·0	*273·8*	30	+ 17
139 140	Spitsbergen (Greenharbour)	78 2	E 14 14	11·4	1011·6	1013·0	+ 0·1	..	278·2	11th	270·6	262·7	2nd	..	−1·2	273·5	7	− 6
141 142	Gjesvaer	71 6	25 22	6·5	1013·4	1014·2	+ 1·0	..	290·8	24th	277·6	272·0	1st	..	+0·6	*280·4*	72	+ 35
143	Mehavn	71 1	27 47	6·4	1013·0	1013·8	+ 0·6	..	288·8	24th	277·5	272·4	2nd	..	+1·2	*280·3*	39	− 4
147 148	Vardö	70 22	31 8	10·0	1013·9	1015·1	+ 1·7	..	290·5	26th	276·4	271·1	3rd	..	+0·4	*279·1*	38	0
	Malye Karmakouly	72 23	52 43	14·8	1010·8	1012·7	+ 1·2	..	279·3	26th	..	..	..	..	−2·4	*271·5*	..	..
	Waigatz	70 24 N.	58 47 E.	11·2	1012·3	1013·7	+ 2·3	275·7	287·2	27th	270·8	266·4	12th	273·2	..	*273·0*	9	..

JUNE—ZONE 2.

Between Latitude 70° N. and 60° N.

202	Gambel	63 51 N.	171 35 W.	6·1	..	..	..	283·3	291·3	30th	277·1	272·4	2nd	280·2	−0·5	*280·5*	112	+ 82
203	Nome	64 30	165 24	6·7	..	1012·8	+ 1·3	287·9	298·6	29th, 30th	277·9	271·9	5th, 9th	282·9	..	..	49	..
204	Candle	64 55	161 57	2·4	..	..	..	293·1	300·2	30th	279·8	272·4	8th	286·4	−0·4	*286·8*	30	+ 3
205	Tanana	65 10	152 6	67·1	..	1013·2	+ 0·8	295·8	303·0	19th	280·1	275·2	19th	287·9	..	..	24	+ 1
207	Rampart	65 30	150 15	122	..	..	..	286·7	295·8	21st	279·3	275·2	10th	283·0	−0·7	*283·1*	31	− 20
208	Valdez	61 7	146 16	8·2	..	1016·2	+ 0·8	292·3	298·0	22nd	278·0	269·1	1st	285·2	−0·9	..	57	+ 20
	Eagle	64 46	141 12	254	..	1010·8	+ 0·5											
209	Dawson	64 4	139 20	328	971·2	1010·0	− 2·5	293·0	297·4	30th	276·9	269·1	1st	284·9	−2·0	..	41	+ 13
210	Carcross	60 11	134 34	662	..	..	..	288·8	296·3	25th	276·2	273·0	11th, 13th	282·5	−0·8	..	21	+ 6
211	Fort Good Hope	66 25	128 53	65·2	1007·3	1015·3	..	288·6	297·4	22nd	274·1	267·4	9th	281·3	..	..	18	..
212	Fort Simpson	61 52	121 35	129	995·8	1011·5	..	288·6	299·7	23rd, 24th	276·9	270·8	3rd	282·7	−3·4	..	43	− 3
213	Hay River	60 51	115 20	161	992·1	1011·7	..	285·8	299·1	24th	275·2	269·1	12th	280·5	−3·2	..	10	..
223	Jacobshavn	69 13	51 2	12·6	1013·1	1014·7	+ 2·8	..	..	..	..	..	..	..	−1·7	*276·0*	35	+ 14
226	Godthaab	64 11	51 43	9·0	1010·4	1011·5	+ 1·7	283·2	291·8	28th	274·6	271·9	6th	278·9	+1·0	*278·4*	13	− 21
227	Ivigtut	61 12	48 10	5·0	1011·5	1012·1	+ 2·8	..	..	..	278·5	275·4	5th	..	+2·8	*284·0*	8	− 67
229	Angmagsalik	65 37	37 33	31·7	1009·1	1013·0	− 0·8	282·9	288·4	19th	274·1	270·1	5th	278·5	−0·3	*277·8*	31	− 22
231	Stykkisholm	65 5	22 46	11·3	1011·8	1013·2	+ 2·5	283·3	288·1	29th, 30th	276·9	271·5	1st, 3rd	280·1	−0·9	*279·9*	42	+ 4
232	Vestmanno	63 3	20 15	7·7	1008·4	1009·3	− 1·9	286·8	291·3	28th	279·0	275·7	1st	282·9	+0·3	*282·4*	53	− 28
233	Grimsey	66 33	17 58	22·0	..	..	..	280·4	288·1	29th	274·2	269·2	3rd	277·3	−1·2	*277·3*	1	− 17
233*a*	Akureyri	65 40	18 4	6·8	1011·4	1012·2	+ 0·5	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1008·4	1010·6	− 1·4	283·5	290·2	15th	275·8	272·1	3rd	279·7	−0·4	*279·9*	91	+ 26
235	Thorshavn	62 3	6 45	25·7	1008·8	1011·9	− 2·4	284·9	288·0	9th	279·2	274·8	22nd	282·1	−0·2	*281·9*	74	+ 9
236	Lerwick	60 9	W 1 8	18·0	1012·0	1014·2	+ 0·2	286·4	290·2	12th	281·6	279·7	6, 27, 29	284·0	+1·3	*283·6*	46	+ 1
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1011·4	1016·8	+ 2·9	..	298·5	13th	283·5	279·4	7th	..	+0·6	*286·5*	150	+ 61
238	Christiansund	63 7	7 45	17·8	1013·8	1015·9	+ 2·0	..	293·8	14th	283·3	279·6	1st	..	+1·4	*285·6*	77	+ 26
239	Trondhjem	63 26	10 25	39·5	1011·2	1016·0	+ 2·6	..	300·2	14th	282·3	275·6	1st	..	+1·7	*286·6*	62	+ 16
240	Bodö	67 17	14 24	22·4	1013·2	1015·9	+ 2·0	..	295·4	14th	280·4	275·4	1st	..	+0·2	*283·1*	114	+ 61
241	Haparanda	65 50	24 9	9·2	1015·1	1016·2	+ 3·8	290·0	295·0	14, 17, 27	281·0	275·0	7th	285·5	+0·5	*285·2*	38	+ 4
242	Helsingfors	60 10	24 57	11·7	1017·1	1018·5	+ 5·7	294·0	301·8	22nd	285·1	278·3	7th	289·5	+2·1	*289·0*	42	− 2
242*a*	Kuopio	62 54	27 40	90·3	1006·0	1016·8	+ 3·8	295·0	303·6	22nd	284·5	277·0	2nd	289·7	+4·0	*290·3*	71	+ 16
243	Kola	68 53	33 1	6·7	1015·0	1015·8	+ 3·5	289·2	298·2	15th	278·5	271·8	2nd, 8th	283·8	+1·9	*283·7*	65	+ 37
244	Petrozavodsk	61 47	34 23	38·9	1013·0	1017·6	+ 5·0	..	305·4	23rd	..	..	..	..	+4·4	*290·6*	..	..
245	Arkhangelsk	64 35	40 36	5·8	1016·0	1016·7	+ 4·7	293·4	303·0	30th	282·1	274·3	13th	287·8	+3·2	*288·1*	51	+ 6
246	Mezen	65 50	44 16	12·6	1014·7	1016·2	+ 4·1	290·2	303·0	24th	278·0	270·4	13th	284·1	+2·6	*284·6*	16	− 19
247	Oust-Tsylma	65 25	52 14	? 70	1007·6	1016·2	+ 5·0	287·4	302·7	27th	277·7	270·0	4th	282·6	−0·7	*282·3*	27	..
248	Teherdyn	60 24	56 31	?177	991·6	1012·8	+ 2·9	291·9	303·0	28th	281·4	274·3	4th	286·6	−0·3	*286·3*	59	+ 7
249	Berezov	63 56	65 1	39·9	1008·2	1013·1	+ 1·9	286·6	297·5	28th	278·1	269·2	1st	282·4	−0·3	*282·8*	11	− 41
250	Obdorsk	66 31	66 35	23·7	1010·6	1013·5	+ 1·6	..	295·3	30th	276·2	268·2	1st	..	+0·9	*280·5*	24	− 8
251	Sourgout	61 15	73 24	? 40	1003·2	1008·0	− 1·5	..	294·1	28th	278·2	270·8	14th	..	−1·8	*282·9*	15	− 49
253	Doudinka	69 23	86 4	20	1005·0	1007·4	− 2·1	..	292·6	21st	276·2	271·0	13th	..	..	*279·4*	17	..
254	Touroukhansk	65 47	87 57	45	1001·8	1007·2	− 1·9	..	297·5	24th	278·9	271·0	2nd	..	+2·5	*284·0*	26	− 14
261	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
262	Iakoutsk	62 1	129 43	108	993·0	1005·8	− 1·7	..	300·0	26th	281·6	274·3	2nd	..	+1·0	*288·9*	17	− 21
263	Verkhoïansk	67 33	133 23	100	990·3	1002·1	− 2·3	..	302·0	13th	281·5	274·1	2nd	..	+2·8	*288·4*	11	− 12
264	Oust-Maïskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1005·0	1008·1	− 2·5	288·6	294·7	26th	277·9	272·2	3rd	283·3	+0·8	..	25	+ 3
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

JUNE—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1012·8	+ 0·1	280·3	282·4	19th	275·3	271·9	7th	277·8	..	..	18	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1016·6	+ 1·4	284·3	290·8	23rd	278·1	275·2	18th	281·2	+0·7	*280·8*	28	− 46
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	1014·2	+ 0·1	285·0	294·7	21st	279·1	275·8	10th	282·3	..	*282·3*	67	− 41
309	Sitka	57 3	135 19	27·4	..	1016·6	0·0	286·3	296·3	13th	279·6	275·8	12th	283·0	−0·6	*283·0*	90	+ 17
310	Prince Rupert	54 18	130 18	51·8	1009·8	1016·1	− 0·5	286·9	295·2	13th	279·7	275·2	13th	283·3	−1·6	*283·1*	173	+ 73
311	Barkerville	53 2	121 35	1274	870·6	..	..	287·4	294·1	28th	275·2	270·2	10th	281·3	−1·8	*280·9*	144	+ 56
312	Kamloops	50 42	120 29	385	973·8	1018·9	+ 3·0	295·8	305·2	15th	282·4	278·6	10th	289·1	−2·0	*288·7*	64	+ 33
313	Calgary	51 2	114 2	1045	894·5	..	..	293·0	304·1	16th	278·6	273·0	4th	285·8	−0·5	*284·9*	50	− 30
314	Fort Chipewyan	58 42	111 10	218	984·9	1010·8	..	290·8	299·7	29th	278·0	270·8	12th	284·4	−0·8	*285·2*	12	− 28
315	Prince Albert	53 10	106 0	442	959·2	1010·7	+ 1·7	294·1	300·8	15th, 16th	279·7	271·3	2nd	286·9	−0·6	*286·6*	57	− 11
316	Qu'Appelle	50 30	103 47	645	935·3	1009·7	− 1·6	293·6	300·2	16th	279·7	272·4	21st	286·6	−1·7	286·0	86	0
317	Minnedosa	50 15	99 50	515	950·9	1010·7	− 0·8	294·7	306·9	9th	279·1	270·8	3rd	286·9	−1·6	*286·6*	40	− 59
318	Berens River	52 18	97 23	216	..	..	..	290·9	302·4	17th	277·6	270·8	21st	284·3	−2·8	..	100	+ 64
318*a*	Port Nelson	57 4	92 36	14·9	1009·0	1010·8	..	286·3	299·1	27th	275·8	270·8	21st	281·1	..	..	44	..
319	Fort Hope	51 33	87 49	‡260	981·0	1013·9	..	293·0	303·6	11th	278·0	269·1	5th	285·5	+0·1	*285·5*	..	− 61
320	Moose Factory	51 14	80 30	9·1	1012·9	1014·0	− 0·2	291·9	298·6	10th, 12th	279·7	273·6	1st, 25th	285·8	+0·2	..	5	..
321	Fort George	53 50	79 5	97·5	..	..	..	289·9	299·7	11th	278·3	270·8	2nd	284·1	..	..	44	..
322	Mistassini Post	50 15	73 55	383	..	..	..	290·3	297·4	14th, 20th	279·8	271·3	7th	285·1	..	..	84	..
323	Hebron	58 12	62 21	15·0	1018·2	1020·0	+ 9·1	..	..	..	276·0	267·6	..	..	..	*279·9*	73	..
324	Natashquan	50 8	61 48	?	..	..	..	288·6	295·2	23rd	278·8	274·1	7th	283·7	..	..	54	− 107
326	Belle Isle	51 53	55 23	133	997·9	1014·2	+ 3·4	283·6	291·9	18th	276·9	273·6	2nd, 3rd	280·2	+2·1	*280·1*	29	+ 9
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1014·4	1016·1	+ 0·2	289·1	291·3	6th	283·7	280·8	26th	286·4	−0·3	286·4	90	− 5
335	Aberdeen	57 10	2 6	26·8	1012·2	1015·4	+ 0·5	288·9	294·7	16th	281·8	276·9	27th	285·3	+0·4	285·3	36	+ 5
336	Greenwich	51 28	W 0 0	46·3	1011·8	1017·3	+ 1·2	296·8	306·9	17th	284·0	280·2	4th, 23rd	290·4	+1·7	289·8	56	
337	Uccle	50 48	E 4 22	100	1005·2	1017·1	+ 0·9	297·7	304·5	16th	285·4	279·9	3rd, 27th	291·5	+2·4	290·7	119	+ 49
338	De Bilt	52 6	5 11	3·0	1017·2	1017·6	+ 1·8	297·6	305·4	17th	285·8	280·0	1st	291·7	+2·8	291·3	95	+ 25
338*a*	Hamburg	53 33	9 58	26·0	1015·5	1018·5	+ 3·5	297·8	304·0	18th	287·6	281·4	6th	292·7	+3·6	*292·5*	44	− 26
339	Copenhagen	55 41	12 36	5·0	1018·8	1019·4	+ 5·2	294·7	301·1	18th	287·1	282·5	10th	290·9	+3·0	*290·6*	25	− 9
340	Potsdam	52 23	13 4	84·9	1008·7	1018·8	+ 3·8	300·2	307·9	20th	286·2	281·6	4th, 9th	293·2	+3·9	293·1	59	− 57
340*a*	Upsala	59 51	17 38	24·0	1014·8	1017·6	+ 4·6	297·9	306·4	21st	283·9	276·4	7th	290·9	+4·4	291·4	11	− 30
341	Warsaw	52 13	21 1	133	1004·6	1019·9	+ 5·8	298·8	308·4	21st	287·3	281·4	9th	293·1	+2·7	293·4	36	− 5
342	Jurjev	58 23	26 43	74·5	1010·7	1019·6	+ 6·9	297·1	305·9	21st	285·4	277·4	7th	291·2	+3·0	291·0	56	
343	Petrograd	59 56	30 16	4·8	1017·8	1018·4	+ 6·0	296·2	305·5	22nd	286·9	281·7	2nd	291·6	+3·8	*291·5*	11	− 39
344	Kiev	50 27	30 30	183	996·7	1018·2	+ 5·8	298·7	305·1	29th	287·5	280·4	8th	293·1	+1·9	*292·8*	35	− 37
344*a*	Moscow	55 50	37 33	167	998·4	1018·1	+ 5·9	298·3	306·5	30th	285·0	277·3	14th	291·6	+2·8	*292·1*	5	− 35
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1005·4	1014·9	+ 5·0	297·9	307·6	30th	285·2	276·8	4th	291·6	+1·4	*291·6*	43	− 25
347	Orenburg	51 45	55 6	109	998·3	1011·2	+ 2·0	297·3	306·1	30th	283·7	276·1	5th	290·5	−0·9	*290·8*	40	− 25
348	Perm	58 1	56 16	163	992·8	1012·2	+ 3·0	293·4	303·5	28th	282·3	274·1	4th	287·8	−0·5	*287·7*	48	− 13
349	Ekaterinburg	56 49	60 38	281	976·7	1010·0	− 0·3	291·1	301·3	30th	280·6	275·6	6th	285·8	−1·6	*285·9*	48	− 12
350	Tobolsk	58 12	68 14	?108	995·5	1008·5	− 2·2	289·4	299·2	29th	280·7	275·2	1st	285·0	−3·2	*284·6*	72	+ 15
351	Akmolinsk	51 12	71 23	?347	965·2	1005·8	− 5·1	..	299·8	16th	281·2	273·0	7th	..	−4·0	*286·5*	96	+ 18
352	Omsk	54 58	73 23	87·9	992·3	1003·8	− 6·1	..	301·0	16th	282·0	276·1	7th, 8th	..	−2·5	*286·9*	140	+ 17
353	Barnaoul	53 20	83 48	162	986·8	1005·8	− 4·4	295·2	304·7	17th	283·6	275·0	2nd	289·4	−0·6	*289·2*	..	+ 11
354	Tomsk	56 30	84 58	122	989·8	1004·3	− 4·8	..	301·1	22nd	282·8	273·1	4th	..	−0·3	*287·3*	88	
355	Minousinsk	53 43	91 41	249	977·2	1006·1	− 4·5	..	302·3	5th	284·4	278·0	4th	..	..	*290·6*	44	− 13
356	Eniseisk	58 27	92 10	77·6	995·5	1004·7	− 5·0	..	303·2	24th	282·2	274·8	5th	..	+1·0	*288·9*	17	− 42
357	Irkutsk	52 16	104 19	467	952·2	1006·0	− 3·4	..	300·6	30th	280·9	274·7	2nd	..	+1·4	*289·0*	29	− 29
358	Kirensk	57 47	108 7	263	974·4	1004·8	− 3·5	..	303·6	26th	282·4	274·4	5th, 6th	..	+2·8	*291·6*	20	− 19
359	Tchita	52 2	113 30	687	926·3	1004·2	− 1·7	..	301·2	28th	281·5	274·1	3rd	..	0·0	*288·8*	42	− 13
360	Blagoveshchensk Priisk	58 10	114 19	490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360*a*	Nertchinskii Zavod	51 19	119 37	626	933·1	1004·1	− 1·8	..	301·4	29th	282·2	275·8	1st, 13th	..	+1·7	*289·9*	47	..
361	Tygan Ourkan	54 5	124 46	379	960·7	1004·5	..	296·0	303·8	18th	278·5	270·9	1st	287·3	..	*288·4*	50	+ 40
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	987·0	1003·6	− 1·2	297·0	303·9	21st	285·5	279·4	1st	291·3	+0·8	*291·1*	114	..
363	Paikanskii Sklad	50 11	130 7	145	985·9	1003·0	..	295·5	299·6	17th, 21st	282·6	273·6	2nd	289·1	..	*289·0*	96	+ 7
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1005·0	1007·5	− 0·9	..	301·4	21st	279·2	274·6	2nd	..	−0·2	*284·3*	45	− 40
366	Okhotsk	59 21	143 12	6·0	1008·0	1008·7	− 4·1	281·4	292·0	24th	276·1	271·4	1st	278·8	−1·3	*278·4*	19	
367																		..
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1007·6	1009·2	− 2·2	286·1	296·1	30th	277·1	272·0	3rd	281·6	..	*280·7*	75	
369																		..
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

JUNE—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1011·2	1019·7	+ 2·8	289·7	298·6	13th	281·3	279·1	11th	285·5	−1·1	285·1	24	0
412	Portland, Oregon	45 32	122 41	46·6	1014·5	1020·0	+ 2·9	295·2	305·2	13th	283·9	279·1	12th	289·6	+0·1	*289·4*	30	− 13
413	Macleod	49 44	113 24	953	..	..	..	293·4	302·4	17th, 29th	280·0	274·7	3rd	286·7	−0·4	*286·9*	50	− 21
414	Helena	46 34	112 4	1253	874·6	1015·2	+ 2·9	294·2	304·1	28th	280·4	274·1	12th	287·3	−0·7	*287·5*	32	− 30
414*a*	Salt Lake City	40 46	111 54	1329	868·5	1014·5	+ 3·6	297·9	306·3	28th	285·6	278·0	11th	291·8	−0·8	*292·3*	5	− 17
415	Cheyenne	41 8	104 48	1856	815·1	1014·2	+ 4·0	295·2	304·1	29th	279·9	271·9	1st	287·6	−1·5	*287·9*	9	− 29
416	North Platte	41 8	100 45	859	917·0	1015·2	+ 3·5	300·5	309·7	24th	284·3	273·6	2nd	292·4	−0·7	*292·5*	60	− 22
416*a*	Bismarck	46 47	100 38	511	954·4	1014·2	+ 1·9	296·7	306·9	17th	282·5	276·3	21st	289·6	−1·5	*289·4*	55	− 36
417	Winnipeg	49 53	97 7	232	984·4	1011·7	− 0·8	295·8	307·4	9th	280·8	270·2	3rd	288·3	−1·5	*288·3*	54	− 29
418	Duluth	46 47	92 6	345	972·8	1013·9	+ 0·2	290·4	300·8	18th	278·9	275·2	1st	284·7	−2·6	*284·4*	49	− 46
419	Port Arthur	48 27	89 12	196	989·8	1013·3	− 0·8	289·7	298·6	12th	279·1	274·1	2nd, 5th	284·4	−2·3	*284·5*	30	− 38
420	Chicago	41 53	87 37	251	985·4	1015·2	+ 0·6	295·4	303·0	26th	285·9	280·2	2nd	290·7	−1·6	*290·7*	73	− 15
421	Toronto	43 40	79 24	116	1001·3	1015·2	+ 0·9	294·7	301·3	19th	283·6	278·0	15th	289·1	−0·9	288·6	137	+ 67
422	New York (Central Park)	40 46	73 58	30·2	1012·4	1015·9	+ 3·0	298·8	304·7	22nd	289·7	285·8	17th	294·2	−0·4	293·7	97	+ 13
423	St. John, N.B.	45 17	66 4	36·2	1012·5	1016·9	+ 4·3	289·1	295·8	28th	281·3	277·4	1st, 2nd	285·2	−1·4	285·2	137	+ 54
424	S.W. Point, Anticosti	49 24	63 33	9·1	1014·9	1016·0	+ 4·3	286·3	290·2	28th	280·2	275·2	3, 7, 8	283·3	+0·8	*283·6*	84	+ 25
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1020·3	1021·2	+ 5·8	286·0	291·9	20th, 21st	281·3	277·4	2nd	284·1	+0·6	*283·8*	120	+ 33
425	Port aux Basques	47 35	59 10	9·1	1017·8	1018·9	+ 4·7	285·8	293·6	23rd	279·7	274·1	1st	282·7	+0·8	*282·7*	79	− 30
426	St. John's, Newfoundland	47 34	52 42	38·1	1012·0	1016·6	+ 4·5	291·9	302·4	16th	281·9	274·1	11th	286·9	+4·1	*286·6*	94	+ 4
435	Madrid	40 24	3 41	655	942·3	1016·4	+ 0·6	302·2	306·5	15th	285·2	280·0	22nd, 23rd	293·7	+0·3	293·6	12	− 23
436	Nantes	47 15	W 1 34	36·5	1013·1	1017·4	0·0	296·6	305·0	17th	285·4	280·0	3rd	291·0	+1·1	290·9	90	+ 34
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·8	1017·8	+ 0·8	297·9	305·3	17th	285·8	280·8	3rd	291·9	+2·2	291·7	74	+ 19
438	Marseilles	43 18	5 23	74·8	1009·1	1018·0	+ 3·0	300·2	303·6	16th	287·4	282·2	2nd	293·8	+0·8	293·6	28	− 17
438*a*	Zürich	47 23	8 33	493	961·7	1018·7	+ 1·5	299·1	303·6	19th	285·9	280·6	24th	292·5	+1·9	291·5	103	− 32
439	Rome	41 54	12 27	45	1012·7	1018·0	+ 2·6	301·8	304·8	29th	290·2	286·0	3rd	296·0	+1·4	*296·1*	15	− 26
440	Vienna	48 15	16 22	203	994·4	1018·2	+ 3·5	297·5	302·0	6th	286·9	282·8	10th	292·2	+1·8	292·5	8	− 63
440*a*	Buda-Pesth	47 31	19 1	130	1003·2	1018·4	+ 4·5	301·7	306·7	29th	286·8	282·7	10th	294·3	+2·9	*294·7*	27	− 44
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1007·9	1017·6	+ 4·6	300·1	305·0	22nd	287·2	281·9	10th	293·7	−0·3	293·2	125	+ 36
443	Odessa (University)	46 29	30 44	65·3	1008·8	1016·6	+ 3·9	297·9	303·4	2nd	289·1	283·4	10th	293·5	+0·2	*293·1*	98	+ 42
444	Kharkov (University)	50 0	36 14	140	1000·3	1016·8	+ 4·8	299·6	305·8	25th	285·5	278·8	9th	292·6	+1·5	*292·3*	51	− 13
444*a*	Novorossiisk	44 44	37 49	37·1	1009·9	1014·3	+ 1·1	296·0	301·0	30th	288·6	282·8	7th	292·3	−1·0	*291·7*	87	+ 25
445	Tiflis	41 20	44 48	404	966·2	1012·6	+ 0·2	300·0	308·4	30th	288·0	283·2	9th	294·0	−1·0	*293·3*	67	− 5
446	Astrakhan	46 21	48 2	−13·8	1014·8	1013·2	+ 2·1	300·0	306·5	30th	291·0	286·7	7th, 16th	295·5	−0·8	*294·9*	7	− 11
447	Fort Alexandrovsk	44 30	50 16	24	1008·3	1011·1	− 0·2	..	304·7	30th	290·9	284·9	10th	..	−0·9	*294·6*	13	+ 2
448	Krasnovodsk	40 0	52 59	−14·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	57·0	1003·6	1010·3	− 1·0	298·2	302·9	24th	288·0	280·2	6th	293·1	−4·1	*293·3*	18	..
450	Tachkent	41 20	69 18	479	954·0	1007·9	+ 0·4	305·0	314·0	15th	287·7	283·7	11th	296·4	−1·0	*296·4*	1	− 11
451	Narynskoe	41 26	76 0	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	?825	914·0	1005·8	− 2·0	300·5	307·7	15th	287·1	283·1	18th	293·8	..	*293·0*	36	..
461	Mukden	41 48	123 13	43·8	999·6	1004·6	+ 0·3	304·7	310·2	30th	290·1	280·2	1st	297·4	+2·8	297·2	20	− 63
462	Joshin	40 40	129 11	4·0	1006·8	1007·3	+ 0·8	293·4	304·2	29th	285·2	279·7	3rd	289·3	0·0	288·6	9	− 50
463	Yuki	42 20	130 24	65·6	999·4	1007·3	..	292·7	303·0	28th	284·3	278·6	3rd	288·5	..	288·0	9	..
464	Vladivostok	43 7	131 55	128	992·6	1007·9	− 0·4	291·3	299·7	20th	283·7	278·0	3rd, 4th	287·5	−0·1	286·8	12	− 58
465	Ochiai	47 20	142 44	6·6	1007·2	1008·0	− 1·1	288·0	299·9	24th	278·0	270·5	4th	283·0	−0·6	282·9	112	+ 24
466	Nemuro	43 20	145 35	26·7	1005·8	1009·0	− 1·1	287·0	294·8	24th	279·9	274·5	5th	283·4	0·0	282·9	82	− 14
466*a*	Syana	45 14	147 53	39·3	1004·6	1009·4	− 0·8	285·5	293·0	27th	277·1	269·8	6th	281·3	−1·2	281·1	76	+ 15
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

JUNE—ZONE 5 (Western Half).

Between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1010·4	1016·2	+ 1·7	292·7	303·6	15th	282·9	280·8	8th	287·8	−0·2	*286·9*	0	− 5
512	San Luis Obispo	35 18	120 39	61·3	1008·6	1015·9	+ 1·4	299·5	316·3	15th	283·0	279·1	12th	291·2	+1·9	*290·7*	0	− 3
513	San Diego	32 43	117 10	26·5	1010·7	1013·9	+ 1·0	294·0	303·6	14th	287·2	285·2	8th	290·6	−0·7	*290·0*	0	− 1
514	Modena	37 48	113 54	1670	834·8	1013·2	+ 3·5	300·6	306·3	16th	279·7	271·9	13th	290·1	−0·1	*290·1*	0	− 8
515	Santa Fé	35 41	105 57	2138	789·9	1010·1	+ 0·7	299·2	304·7	30th	284·7	276·3	1st	291·9	+0·2	*292·2*	2	− 25
516	Denver	39 45	105 0	1613	838·9	1013·9	+ 3·2	299·3	308·0	29th	284·0	273·6	1st	291·7	−0·2	*291·9*	10	− 25
517	Abilene	32 23	99 40	530	953·7	1013·2	+ 1·5	306·9	313·0	8th	292·7	284·7	16th	299·8	+1·3	*300·0*	18	− 49
518	Saint Louis	38 38	90 12	173	995·2	1015·2	+ 0·9	300·9	307·4	26th	291·0	282·4	16th	295·9	−0·9	*296·0*	16	− 91
519	Mobile	30 41	88 2	17·4	1015·9	1017·9	+ 2·7	303·1	308·6	25th	295·0	287·4	16th	299·1	−0·4	*298·8*	57	− 84
520	Nashville	36 10	86 47	166	998·4	1017·9	+ 2·5	301·4	307·4	26th	290·2	281·3	16th	295·8	−1·7	*296·0*	204	+ 96
521	Charleston	32 47	79 56	14·6	1017·0	1018·6	+ 2·4	301·7	304·1	29th	294·9	290·8	3rd	298·3	0·0	*298·8*	49	− 79
522	Washington	38 54	77 3	34·1	1012·5	1016·2	+ 0·8	301·3	308·0	27th	289·8	283·0	16th	295·6	−0·5	*295·1*	159	+ 51
523	Bermuda	32 18	64 46	46·0	1017·0	1022·4	+ 3·5	299·2	301·3	28th	294·1	290·8	1st	296·7	−0·2	*296·5*	154	+ 37
524	Santa Cruz (Flores)	39 27	31 9	28	1025·0	1028·0	+ 2·2	293·7	296·2	28th	288·5	285·5	14th	291·1	−1·3	*291·0*	15	− 58
530	Horta	38 32	28 38	65	1019·5	1026·7	+ 3·5	292·8	296·8	29th	287·8	285·4	5th	290·3	−2·1	290·1	34	− 36
531	Ponta Delgada	37 44	25 40	22	1023·7	1025·5	+ 2·2	292·9	295·5	27th	288·8	286·5	4th	290·9	−1·1	290·6	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
532*a*	Madeira (Funchal)	32 37	16 54	25	1019·8	1022·8	+ 2·2	293·6	296·0	18th, 29th	289·6	287·8	11th	291·6	−1·1	*291·8*	43	− 29
533	Lisbon	38 43	9 9	95	1007·3	1018·6	+ 1·0	297·1	305·3	15th	288·7	285·4	3rd	292·9	+0·4	*292·3*	5	− 6
534	Gibraltar	36 6	5 21	16·2	1016·4	1018·4	+ 0·8	297·6	302·4	28th	290·3	287·4	1st	293·9	−0·5	*293·4*	3	− 17
535	Melilla	35 18	2 59	8	‡1019·0	‡1019·9	+ 1·2	298·3	302·9	29th	289·6	286·0	2nd	293·9	−1·8	*294·9*	1	− 11
536*a*																	7	+ 1
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

JUNE—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean. *	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 38	23	1014·2	1016·9	+ 0·2	300·5	306·2	19th	289·1	284·6	3rd	294·8	−0·1	..	8	− 11
538	Algiers (Bouzaréah)	36 48	3 2	344	977·3	1017·3	+ 1·4	296·1	305·1	18th, 19th	289·9	286·9	1st	293·0	−0·5	292·5	8	− 9
539	Tunis	36 48	10 10	33	‡1013·8	‡1017·6	+ 1·4	302·1	314·0	21st	291·9	285·5	17th	297·0	+0·8	296·8	12	0
539a	Malta	35 53	14 31	56·4	..	1017·2	+ 1·0	298·3	304·3	24th	293·4	290·8	1st	295·9	+0·7	295·0	11	+ 9
540	Riposto	37 41	15 14	14·2	..	1018·9	+ 2·2	298·9	302·0	23rd, 29th	292·6	289·2	1st	295·7	−0·2	294·5	0	− 7
541	Athens	37 58	23 43	107	1002·9	1015·4	+ 2·9	301·3	304·1	26th	292·5	289·2	17th	296·9	−0·2	296·7	19	+ 4
542	Alexandria	31 12	29 53	32·0	1009·4	1013·1	+ 0·4	300·7	313·0	16th	293·4	291·3	1st	297·1	0·0	296·5	0	0
543	Cairo (Helwan)	29 52	31 20	116	997·9	1011·3	+ 0·6	306·7	315·8	16th	292·3	290·0	5th	299·5	−0·8	299·2	0	0
544	Nicosia (P.W.D.)	35 9	33 22	159	991·1	1008·9	− 0·1	305·5	308·6	17th, 26th	291·6	288·6	19th	298·6	+0·5	..	0	− 13
544a	Beirut	33 54	35 28	33·7	..	1009·7	− 0·6	300·7	303·4	17th	293·6	291·6	1st	297·1	−0·2	297·2	0	− 5
545	Baghdad	33 21	44 28	38·7	..	..	..	313·1	317·4	11th	296·6	293·6	9th	304·8	−0·5	305·3	0	0
546	Busrah	30 31	47 53	7·6	1000·2	1001·3	− 2·5	312·9	319·7	11th	297·7	294·1	6th	305·3	−0·1	..	0	0
546a	Lenkoran	38 46	48 51	−19·3	1014·3	1012·0	+ 1·1	..	305·0	27th	289·7	287·0	5th	..	−0·9	295·3	20	− 3
547	Teheran	35 41	51 25	1220	..	..	..	306·8	312·1	30th	291·8	287·6	6th	299·3	−0·5	298·9	0	− 2
548	Meshed	36 16	59 35	946	..	..	..	306·2	311·6	22nd	287·1	282·4	19th	296·6	+0·1	..	0	− 8
549	Seistan	31 0	61 30	?	..	..	..	311·9	317·6	14th	295·5	290·2	18th	303·7	..	..	0	..
550	Quetta	30 11	67 3	1677	827·0	..	− 0·9	307·8	310·8	28th	287·9	281·8	21st	297·9	+1·3	297·5	0	− 4
551	Peshawar	34 2	71 37	339	960·7	997·4	− 1·4	315·6	319·5	2nd	298·4	293·9	20th	307·0	+0·9	306·8	3	− 5
551a	Lahore	31 34	74 20	214	974·3	997·6	− 0·5	312·1	316·2	2nd	300·0	294·8	20th	306·1	−1·2	305·7	66	+ 20
552	Simla	31 7	77 8	2205	777·0	..	− 0·6	293·4	296·0	13th	288·1	284·8	3rd	290·8	−1·9	290·4	225	+ 49
552a	Leh	34 10	77 42	3503	664·6	..	− 1·1	296·3	301·5	17th	280·8	274·3	21st	288·6	+1·2	288·0	2	− 3
559	Hankow	30 35	114 17	37·0	1001·1	1005·3	− 0·1	302·9	309·7	29th, 30th	295·6	290·1	8th	299·3	+0·3	299·0	253	+ 40
560	Tientsin	39 10	117 10	5·0	1004·3	1004·9	+ 0·4	305·8	312·9	29th	293·0	286·6	2nd	299·4	+1·4	298·6	19	− 51
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1005·6	− 0·8	301·1	309·9	27th	293·1	288·8	7th	297·1	+0·3	296·3	302	+120
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1000·1	1008·1	+ 1·2	297·9	306·1	17th	288·8	285·3	10th	293·4	+0·5	292·8	61	− 64
562a	Nagasaki	32 44	129 52	133	993·2	1008·7	+ 0·3	297·9	301·9	23rd, 28th	291·7	286·3	6th	294·8	−0·3	294·2	220	−106
563	Kioto	35 1	135 44	42·9	1004·4	1009·4	+ 0·8	299·6	305·5	16th	288·7	280·4	7th	294·2	−0·2	293·8	272	+ 35
564	Tokio	35 41	139 45	21·3	1006·9	1009·4	+ 0·2	296·5	305·9	28th	289·2	283·7	5th, 6th	292·9	−0·9	292·6	177	+ 14
565	Kanayama	37 53	140 46	24·6	1006·6	1009·5	+ 0·3	294·9	304·3	28th	286·9	276·7	7th	290·9	−0·6	290·7	143	− 18
566	Miyako	39 38 N.	141 59 E.	30·4	1005·5	1009·1	− 0·3	294·0	302·7	15th	285·1	280·5	3rd	289·5	0·0	288·8	52	− 83

JUNE—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean. *	Total.	Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1017·4	1018·7	+ 1·5	300·6	301·9	..	295·3	293·0	..	297·9	+0·3	297·7	14	− 15
614	La Paz	24 10	110 20	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	822·5	..	+ 2·3	..	308·3	2nd	..	284·0	18th	..	+1·4	296·3	13	− 96
616a	Monterry	25 40	100 19	535	952·7	1012·1	..	..	311·4	11th	..	291·8	17th	..	..	300·1	11	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	299·0	..	..	282·5	..	..	+0·8	291·4	27	− 43
618	Galveston	29 18	94 50	16·5	1015·3	1017·3	+ 3·1	302·0	304·7	30th	297·7	293·0	17th	299·8	−0·8	299·4	17	− 82
618a	New Orleans	29 58	90 4	16·2	..	1017·6	+ 2·9	304·4	307·4	11th	295·4	289·7	16th	299·9	−0·1	299·3	70	− 82
619	Merida, Yuc	20 58	89 41	22	1012·3	1014·8	..	..	308·6	2nd	..	294·8	17th	..	..	‡300·7	127	−104
620	Havana	23 8	82 21	24·3	..	1016·7	+ 1·6	302·8	304·8	26th	296·7	295·0	5th	299·7	0·0	299·4	65	− 38
620a	Key West	24 33	81 48	6·7	1016·1	1016·9	+ 1·4	303·3	304·7	20th	297·8	294·7	3rd	300·6	−0·6	300·3	71	+ 30
621	Nassau, Bahamas	25 5	77 21	3·7	..	1017·6	+ 0·8	301·9	304·1	20th	296·8	294·1	15th	299·3	−0·5	299·3	208	..
622	Watling Island	24 6	74 26	33·5	1013·4	1017·2	+ 0·4	..	303·0	20th	..	296·3	24th	..	..	299·9	..	..
633	Izaña	28 19	16 30	2367	772·0	..	..	290·2	298·3	29th	281·3	272·3	7th	285·7	..	285·1	0	..
634	La Laguna	28 28	16 20	547	956·5	1019·6	− 0·3	294·4	299·6	28th	286·8	285·4	6th	290·6	−0·6	290·0	6	+ 1
637	Insalah	27 8	W 2 27	?280	..	..	..	315·1	321·5	23rd	297·5	291·5	2nd	306·3	−1·3	307·0	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	995·4	1006·6	− 0·9	313·9	319·8	17th	297·3	294·7	14th	305·6	−0·3	304·8	..	..
644	Tor	28 14	33 37	1·9	1006·6	1006·8	− 0·2	304·0	311·1	18th	295·7	291·8	16th	299·9	−0·8	298·8	..	..
647	Bushire	28 59	50 53	4·3	998·2	998·8	− 2·0	306·1	310·5	13th	300·1	296·6	19th	303·1	−0·1	302·4	0	0
648	Jask	25 44	57 47	4·0	998·3	998·8	− 1·3	308·2	313·3	22nd	301·5	299·3	1st	304·8	−0·2	304·1	0	− 1
649	Robat	29 45	60 55	?	900·5	..	..	314·0	318·6	25th	297·5	292·6	19th	305·8	..	..	0	..
649a	Karachi	24 53	66 57	4·0	999·1	999·5	− 0·9	305·9	308·1	16th	301·3	299·1	6th	303·6	+0·2	302·9	0	− 25
650	Hyderabad, Sind	25 24	68 18	29·3	994·5	997·6	− 1·3	313·3	316·8	20th	301·3	300·2	6th	307·3	+0·5	306·6	0	− 13
650a	Jacobabad	28 17	68 29	56·7	990·0	996·1	− 1·3	319·3	323·4	11th	304·0	301·3	24th	311·7	+1·4	311·2	0	− 4
651	Jaipur	26 56	75 52	436	952·0	999·1	− 0·9	310·6	315·5	8th	299·6	296·4	17th, 18th	305·1	−1·1	304·4	77	+ 25
652	Nagpur	21 8	79 5	310	967·1	1001·3	− 0·5	307·7	313·7	1st	297·8	295·6	28th, 29th	302·8	−1·9	301·8	237	+ 10
653	Allahabad	25 25	81 51	94·1	988·9	999·3	+ 0·1	310·1	315·1	1st	299·8	293·4	5th	304·9	−1·8	304·2	182	+ 57
653a	Darjiling	27 3	88 18	2266	772·3	..	− 0·6	292·6	295·6	28th	287·0	285·4	8th	289·8	+0·8	289·4	914	+330
654	Calcutta	22 36	88 23	6·4	999·7	1000·4	− 0·3	305·4	308·9	2nd	298·8	296·9	4th	302·1	−0·3	301·8	296	+ 6
655	Gauhati	26 8	91 41	59·7	996·3	1003·0	0·0	304·9	308·0	1st	297·9	296·1	1st	301·4	+0·2	300·7	331	− 43
655m	Cherrapunji	25 15	91 42	1314	863·3	..	− 0·1	294·8	297·9	28th	290·9	288·6	1st	292·8	−0·2	292·3	2694	+384
655a	Akyab	20 11	92 56	6·1	1003·1	1003·7	− 0·5	302·9	305·9	1st	296·8	295·2	22nd	299·9	−0·8	300·0	1341	+197
656	Mandalay	21 59	96 0	76·2	996·2	1004·8	0·0	307·7	310·9	17th	298·6	294·5	2nd	303·1	−0·3	302·3	159	+ 22
656a	Tengyueh	24 59	98 35	1633	829·4	..	..	295·8	298·6	8, 26, 27	289·7	288·6	2, 4, 8	292·7	..	292·1	232	..
657	Phu Lien	20 48	106 37	116	990·3	1003·5	− 0·4	304·0	310·0	23rd	297·3	295·0	24th	300·7	−0·9	300·3	213	− 8
658	Moncay	21 31	107 51	9	1003·1	1004·1	+ 0·2	303·9	306·8	21st	297·4	295·3	25th	300·7	−0·5	300·0	629	+120
659	Hong Kong	22 18	114 10	33·2	..	1006·5	+ 0·4	303·3	304·7	2nd, 29th	298·8	296·8	30th	301·1	+0·5	300·7	293	−110
660	Amoy	24 27	118 4	ca.3	1006·7	1007·0	+ 0·2	302·7	305·8	27th	298·3	294·7	7th	300·5	+0·3	300·3	188	+ 19
661	Taihoku, Formosa	25 2	121 31	9·3	1006·4	1007·4	+ 0·4	305·3	307·7	27th	296·3	294·6	10th	300·8	+0·6	300·3	293	+ 15
661a	Santo Domingo	20 28	121 59	18·7	..	1007·4	+ 0·3	305·1	306·8	14th, 15th	298·2	295·9	23rd	301·7	+0·1	301·5	264	+110
662	Naha	26 13	127 41	10·5	1008·1	1009·3	+ 0·5	303·8	306·4	29th	296·9	282·1	1st	300·3	+0·6	300·0	285	+ 21
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1012·8	1013·2	+ 0·4	301·9	304·7	21st	296·0	293·1	7th	298·9	0·0	298·7	135	+ 38
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JUNE—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	Diff. from Normal.	†24 hr. Mean. *	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 14	103 47	507	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 12	1939	809·3	..	..	..	303·2	7th	..	279·3	15th	..	..	292·5	57	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·7	1012·3	+ 1·1	298·4	302·8	2nd	283·7	281·1	15th	291·0	−0·1	289·6	37	− 67
718	Oaxaca	17 3	96 45	1563	847·3	..	+ 1·8	..	304·1	6th	..	285·0	16th	..	..	292·4	146	− 44
718a	Salina Cruz	16 12	95 12	56·3	1006·2	1012·7	..	302·7	305·8	4th	297·0	295·0	12th	299·8	..	299·4	108	..
719	San Salvador	13 42	89 12	‡665	938·0	1013·5	+ 2·7	305·0	307·6	10th	291·4	289·2	8th	298·2	−0·6	295·9	356	+ 91
720	Belize	17 29	88 12	5·2	1012·8	1013·4	+ 2·8	304·3	305·8	22nd	296·7	292·7	12th	300·5	−0·3	300·0	309	+ 21
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·4	+ 0·9	303·2	305·5	28th	295·5	293·9	12th	299·3	−0·4	299·2	192	+ 33
722	Port au Prince	18 34	72 22	37·4	1010·6	1014·9	+ 0·5	304·8	307·0	21st, 27th	295·3	293·7	25th	300·0	−1·1	299·6	139	+ 51
723	Caracas	10 30	66 55	‡1010	901·8	..	+ 0·7	297·7	299·9	11th	288·5	286·8	24th	293·1	−1·6	292·0	193	+ 87
724	Montserrat	16 41	62 9	39·6	1010·8	1015·3	− 0·2	303·9	305·2	sev. dates	296·2	294·7	2, 15, 28	300·1	..	299·6	217	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	995·2	1013·0	− 0·1	302·7	304·1	5th, 9th	296·7	295·2	24, 25, 27	299·7	+0·7	299·2	148	− 71
725	Barbados	13 8	59 36	55·2	..	1014·5	+ 0·1	303·3	304·5	18th	295·8	294·1	4th	299·6	+0·3	299·5	151	+ 23
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·3	1014·6	− 0·6	298·4	300·0	1st, 29th	293·7	293·2	9, 21, 26	296·1	−0·4	296·9	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·0	1014·6	− 0·6	300·8	303·4	23rd	295·6	294·3	14th	298·2	+0·3	298·2	0	0
733	Bathurst	13 24	16 36	1·5	..	1013·3	+ 0·1	302·9	306·3	3rd	..	..	..	..	−1·3	299·9	58	− 17
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	311·1	314·1	12th	295·8	293·0	30th	303·4	+0·6	..	114	+ 9
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	313·9	316·8	13th	299·4	295·4	28th	306·6	−1·3	306·1	21	..
737	Sokoto	13 2	E 5 14	353	..	..	..	310·7	313·0	12th	297·7	293·6	16th	304·2	+1·1	303·7	10	− 93
738	Kaduna Capital	10 32	7 25	637	?944·0	?1015·3	− 0·4	302·6	305·2	3rd	292·5	290·2	9th, 25th	297·5	−0·3	296·9	134	− 91
739	Katagum	12 17	10 22	30·7	..	..	..	311·5	314·7	8th, 11th	297·2	294·1	26th	304·3	+0·6	303·7	42	− 7
740	Maiduguri	11 47	13 11	361	..	..	..	311·6	315·2	9th	296·8	294·7	21st	304·2	+0·1	303·6	70	+ 15
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	17	..
743	El Obeid	13 11	30 14	569	944·8	1007·4	− 0·7	310·1	313·0	8, 9, 10	294·4	291·7	28th	302·3	−0·6	301·7	47	+ 17
743a	Khartoum	15 37	32 33	390	963·1	1006·1	− 0·2	313·1	316·0	17th	298·6	293·9	24th	305·9	−1·2	305·9	34	+ 26
744	Port Sudan	19 37	37 13	5·9	1004·5	1005·1	− 0·6	310·9	316·5	28th	298·1	294·5	14th, 15th	304·5	−0·3	304·0	0	0
745	Berbera, Somaliland	10 22	45 2	9·2	1004·1	1005·2	+ 0·6	313·9	317·4	18th	303·5	301·3	17th	308·7	−0·5	307·9	1	+ 1
746	Aden	12 45	45 3	28·7	999·9	1002·9	− 2·3	307·6	310·3	15th	300·9	295·9	22nd	304·3	−0·6	304·0	2	0
751	Bombay	18 54	72 49	11·3	1002·7	1003·9	− 1·4	303·4	306·6	4th	299·2	297·3	12th	301·3	−0·4	300·6	380	− 89
751a	Cochin	10 58	76 21	2·7	1008·4	1008·7	− 0·9	302·3	304·1	28th	296·6	295·6	27th	299·4	−0·3	298·7	810	+ 96
752	Kodaikanal	10 14	77 28	2343	768·5	..	− 0·9	291·1	292·9	14th	284·7	282·8	20th	287·9	−0·4	287·9	194	+ 96
752a	Bangalore	12 59	77 38	920	906·4	1006·4	− 0·8	300·9	303·8	25th	292·2	291·2	20th, 27th	296·5	−0·8	295·5	80	+ 7
753	Madras	13 4	80 14	6·7	1004·3	1005·0	− 0·6	307·7	311·0	22nd	299·2	297·1	14th	303·4	−1·7	302·6	136	+ 87
754	Waltair	17 45	83 16	68·9	994·4	1002·0	− 0·2	305·0	309·4	23rd	298·7	295·8	29th	301·8	−1·1	301·1	158	+ 41
755	Port Blair	11 40	92 40	17·7	1005·2	1007·2	− 0·3	302·9	304·6	15th	298·6	296·2	24th	300·8	+0·1	300·1	301	−187
756	Rangoon	16 46	95 48	5·5	1006·7	1007·3	+ 0·5	302·9	305·8	1st	297·2	296·1	15th	300·1	−0·4	299·0	575	+129
757	Saigon	10 47	106 42	11·2	1006·1	1007·3	− 0·2	305·4	307·6	6th	296·6	295·1	24th, 26th	301·0	0·0	300·4	218	− 71
758	Nhatrang	12 15	109 12	3·6	1005·8	1006·2	− 0·1	305·7	307·5	4th	296·8	294·9	16th	301·3	−0·3	300·7	24	− 32
759	Bolinao	16 24	119 53	9·7	..	1006·3	− 0·5	306·1	308·1	14th	297·3	296·1	9th, 27th	301·7	−0·3	300·6	173	−208
761	Vigan	17 34	120 23	12·2	..	1007·7	+ 0·2	306·2	308·7	12th	297·2	295·3	26th	301·7	+0·3	301·3	302	+ 15
761a	Manila	14 35	120 59	14·2	..	1008·2	0·0	306·5	308·8	14th	296·6	295·6	23rd	301·5	−0·1	300·8	271	+ 37
762	Ormoc	11 0	124 36	5·6	..	1008·7	+ 0·2	304·9	306·8	2nd, 3rd	295·7	294·4	23rd	300·3	−0·2	299·5	149	− 52
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	..	1009·5	+ 0·3	303·6	305·2	18th	297·5	295·4	30th	300·5	−0·4	300·7	156	+ 18

Between Latitude 10° N. and 0°.

JUNE—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	Diff. from Normal.	†24 hr. Mean. *	Total.	Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	303·5	305·3	15th	297·0	295·4	29th	300·3	−0·3	299·6	280	+ 25
821	Colon	9 23	79 23	11·0	..	1011·5	+ 1·2	301·4	304·1	6th	296·5	293·0	19th	298·9	−0·6	298·5	365	+ 25
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	68	+ 22
822a	Merida, Venez	8 36	71 9	1641	‡842·6	..	..	295·9	298·0	25th	287·9	286·0	25th	291·9	..	290·8	187	..
824	El Peru, Guayanavieja	7 30	62 0	220	?987·0	?1012·1	+ 0·7	302·7	304·8	10th	294·6	293·0	26th	298·7	+0·3	298·1	130	− 69
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·7	+ 1·3	302·1	304·1	1st	296·1	294·7	26th	299·1	−0·4	298·9	317	+ 31
826	Paramaribo	5 49	55 9	3·7	..	..	..	303·2	304·9	4th	‡293·6	‡291·7	25th	‡298·4	−0·1	298·4	140	−158
826a	Cayenne	4 56	52 21	6	..	..	..	304·5	305·0	sev. dates	294·7	293·4	26th	299·6	0·0	298·9	170	−224
833	Conakry	9 31	13 43	16	1010·3	1012·1	− 0·6	303·2	305·0	6th, 9th	296·3	293·9	11th	299·7	0·0	299·2	371	−164
834	Freetown, Sierra Leone	8 30	13 9	68·3	1003·6	1011·4	− 1·3	303·5	305·2	9th	295·9	293·6	5th, 12th	299·7	−0·2	298·7	325	−168
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	122	− 98
836	Accra	5 33	W 0 12	25·7	..	..	..	303·1	..	..	297·1	..	..	300·1	+1·4	299·7	137	− 28
837	Lagos	6 27	E 3 24	1·8	1013·3	1013·5	− 0·7	303·3	304·9	..	296·4	294·1	..	299·8	+0·9	299·3	491	+ 8
838	Zungeru	9 48	6 10	130	..	..	..	305·9	308·6	5th	295·6	293·0	7th	300·7	+0·7	300·1	65	− 98
838a	Libreville	0 23	9 26	35	..	..	..	303·6	305·5	2nd	295·1	293·5	17, 18, 26	299·4	+1·2	298·8	206	+193
839	Yola	9 12	12 30	259	..	..	..	306·4	310·8	8, 12, 13	295·7	290·8	11th	301·1	+0·7	300·5	93	− 45
841	Wau	7 42	28 3	440	960·1	1009·6	− 0·2	305·2	307·5	sev. dates	294·2	292·5	19th, 27th	299·7	−0·4	298·4	212	+ 43
843	Mongalla	5 11	31 47	439	..	..	..	?309·8	?313·0	15th, 16th	294·2	292·5	28th, 29th	?302·0	+0·3	298·5	110	− 7
843a	Malakal (Kodok)	9 35	31 37	394	965·9	1010·6	+ 0·9	304·4	308·2	4th, 8th	292·2	290·1	6th, 29th	298·3	..	297·3	190	+ 57
844	Entebbe	0 5	32 29	1171	883·8	..	− 1·0	299·6	300·6	17th	289·9	288·7	2nd, 8th	294·7	+0·6	294·0	72	− 57
845	Harrar	9 42	42 30	1856	..	..	..	302·1	..	..	286·6	..	..	294·4	+1·2	..	41	− 49
851	Minicoy	8 17	72 49	2·1	1009·2	1009·4	− 0·4	..	..	..	..	..	..	..	..	..	406	+139
852	Colombo Observatory	6 54	79 53	7·3	1007·2	1008·0	− 0·3	302·6	303·7	1st	297·8	295·3	14th	300·2	−0·5	299·5	137	− 55
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	292·4	295·3	12th	286·1	281·9	18th	289·2	+0·7	288·5	299	− 30
854	Trincomalee	8 34	81 14	30·2	1001·8	1005·2	0·0	307·0	308·9	30th	298·4	295·3	2nd	302·7	0·0	302·0	27	− 6
855	Kota Radja	5 32	95 20	7·1	..	1008·0	− 1·8	..	..	..	..	..	..	..	..	..	21	− 74
856	Medan	3 35	98 41	25·0	..	1008·2	− 1·5	304·7	306·6	8th	294·0	291·8	26th	299·3	..	298·5	134	+ 3
857	Penang	5 34	100 20	5·0	1007·1	1007·6	− 2·0	305·9	306·9	6th	296·1	294·1	7th, 18th	301·0	+0·4	300·4	138	− 57
858	Singapore	1 17	103 51	3	1008·1	1008·4	− 0·8	303·8	305·5	18th	297·0	295·2	30th	300·4	−0·2	299·9	97	− 77
859	Sandakan	5 50	118 7	31·7	..	..	..	304·4	306·3	29th, 30th	296·3	295·2	26th	300·3	−0·3	299·8	244	+ 59
860	Iwahig	9 44	118 38	4·3	..	1007·0	− 0·5	304·8	306·6	16th	294·9	293·3	16th	299·9	..	299·0	103	..
861	Tagbilaran	9 38	123 51	21·3	..	1008·3	+ 0·1	304·5	305·5	1, 2, 7	296·1	294·4	23rd	300·3	−0·9	299·4	159	+ 14
861a	Menado	1 30	124 50	8·5	..	1009·0	+ 0·5	302·5	305·6	2nd	295·6	294·0	24th	299·1	..	298·6	218	− 51
862	Surigao	9 48	125 29	6	..	1008·3	0·0	303·3	304·8	20th	296·5	295·7	18th	299·9	−0·7	299·5	83	− 40
863	Yap	9 29	138 8	31·9	..	1008·3	+ 0·4	305·2	306·7	12th, 20th	297·4	295·9	19th	301·3	−0·1	300·5	201	− 45
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

JUNE—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1011·5	1012·4	+ 2·0	304·1	305·2	22nd	296·3	294·7	2nd	300·2	−1·2	*299·4*	46	+ 1
924	Manaos	3 8	60 1	43·8	..	..	..	302·8	306·0	17th	295·8	294·0	2nd	299·3	−1·1	*298·7*	170	+ 97
926	Taperinha	2 30	54 42	20·0	1011·0	1013·3	..	302·3	304·8	11th	294·5	292·8	26th	298·4	..	*296·9*	224	..
927	Turyassu	1 43	45 27	15·1	1011·3	1013·0	+ 0·7	304·6	306·8	17th	294·1	293·0	26th	299·3	−0·7	*297·8*	262	+ 51
928	Barra do Corda	5 31	45 16	81·0	1003·3	1012·8	+ 0·8	303·7	305·4	16th	290·6	288·4	26th	297·1	−1·6	*296·0*	33	+ 14
929	Quixeramobim	5 16	39 15	207	990·9	1014·7	+ 0·8	300·7	303·0	17th	294·7	293·1	20th	297·7	−2·1	*297·3*	28	− 33
930	Fernando Noronha	3 50	W32 55	106	1001·3	1013·6	− 0·4	299·5	300·2	2nd	296·3	294·5	5th, 29th	297·9	..	*297·7*	221	+ 108
939	Loanda	8 49	E 13 13	59·3	..	1013·8	− 0·8	297·8	301·0	1st, 2nd	292·9	290·7	11th	295·3	+0·7	295·0	0	0
940	Brazzaville	4 17	15 16	290	979·7	1012·8	− 1·4	303·1	305·8	1st, 2nd	290·4	287·6	29th	296·7	+0·3	*295·9*	0	− 9
943	Masaka	0 21	31 47	?1280	..	..	..	296·8	298·6	1, 9, 17	287·9	285·8	21st	292·3	−0·3	*292·0*	78	+ 35
944	Nairobi	1 14	36 44	1800	..	..	..	293·0	296·9	10th	283·0	279·7	22nd	288·0	−1·0	*287·3*	125	+ 70
944a	Zanzibar	6 10	39 11	21·9	1013·8	1016·3	− 1·9	300·6	301·6	13th	296·4	295·3	2nd	298·5	−0·1	*298·1*	107	+ 61
945	Lamu	2 16	40 50	3·1	..	..	..	306·3	306·9	1st	296·9	295·8	16th	301·6	+1·5	*301·0*	7	− 140
947	Seychelles, Port Office	4 37	55 27	4·6	1010·2	1010·7	− 0·9	300·6	301·2	10th	297·9	297·3	9th	299·3	−0·1	*299·1*	28	− 89
957	Padang	0 56	100 22	6·7	..	1009·8	− 1·3	304·0	305·6	13th	295·6	293·0	15th	299·8	..	299·2	308	− 32
958	Batavia	6 11	106 50	8·0	1008·6	1009·5	− 0·4	303·5	304·8	1st, 2nd	296·3	294·8	14th	299·9	+0·5	299·6	49	− 43
958a	Pontianak	0 1	109 20	2·6	..	1009·3	− 0·6	304·5	306·9	19th	296·4	294·7	18th	300·5	..	299·8	100	− 52
959	Passeroean	7 38	112 55	5·0	..	1009·9	− 0·6	303·2	304·1	2nd	294·6	292·2	25th	298·9	−0·2	298·9	14	− 51
960	Kajoemas	7 56	114 9	1060	..	..	..	296·6	298·2	3rd	290·3	288·7	25th	293·5	..	292·7	92	+ 19
962	Ambon	3 42	128 10	4·2	..	1009·9	− 0·1	301·1	303·4	20th	296·2	295·2	28th	298·7	+0·4	298·2	784	+ 100
963	Manokwari	0 52	134 20	19·0	..	1008·5	− 0·6	302·1	303·1	10th	295·8	294·3	10th	298·9	..	298·6	201	− 14
965	Daru	9 4	143 13	7·6	..	1011·0	− 0·5	300·7	..	..	..	..	..	..	−0·2	‡*299·4*	132	+ 27
966	Port Moresby	9 29	147 9	39·0	..	1010·7	− 0·2	302·6	..	..	295·9	..	..	299·2	−0·3	*298·7*	49	+ 29
967																		
968	Rendova	8 30	157 12	1·8	1010·6	1010·8	+ 1·0	..	..	..	..	..	..	..	..	..	246	− 104
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·9	1011·2	+ 1·1	303·5	305·9	9th	296·7	295·1	10th, 16th	300·1	−0·1	*299·9*	149	+ 5
970	Ocean Island	0 52 S.	169 35 E.	25·6	1005·3	1008·2	+ 0·2	303·3	304·1	sev. dates	297·5	295·2	1st	300·4	−0·6	*299·7*	63	− 67

JUNE—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1013·1	+ 1·7	301·9	303·3	2nd	295·6	293·5	20th	298·8	+0·2	298·3	114	− 33
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	300·3	301·9	sev. dates	..	..	..	..	..	..	130	+ 65
1007	Makatea	15 47	148 14	47	1009·4	1014·8	..	302·1	304·0	4th	294·7	288·7	25th	298·4	+0·2	*297·9*	112	+ 51
1021	Arequipa	16 22	71 33	2451	762·3	..	+ 0·5	291·9	296·2	7th	280·6	278·4	2nd	286·2	−0·7	*285·4*	0	− 1
1022	Puerto de Arica	18 28	70 20	5	..	..	..	292·5	293·4	sev. dates	286·5	285·2	sev. dates	289·5	+1·3	*290·9*	0	0
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	730·9	..	..	289·0	293·5	8th	275·0	271·4	21st	282·0	..	*281·9*	0	− 2
1025	Corumba	19 0	57 39	155	1001·1	1019·4	..	308·7	311·0	sev. dates	..	..	..	..	..	‡*292·1*	20	− 28
1026	Cuyaba	15 36	56 6	165	996·1	1015·3	+ 1·8	299·4	302·9	15th	290·1	285·2	1st	294·7	−2·0	*295·2*	5	− 2
1027	Bello Horizonte	19 55	43 55	857	923·8	1021·6	+ 2·1	294·4	297·6	17th	281·4	277·6	5th, 22nd	287·9	−1·2	*288·8*	19	− 9
1028	Caetite	14 2	42 39	900	918·9	1020·6	+ 2·1	295·8	300·2	17th	286·2	282·5	4th	291·0	−1·9	*291·1*	16	+ 5
1029	Ondina (Bahia)	13 0	38 30	46·6	1011·9	1017·4	+ 0·5	298·7	301·0	11th	293·9	291·0	6th	296·3	−1·0	*295·9*	285	+ 25
1030	Aracaju	10 55	37 3	4·0	1016·6	1017·1	+ 0·7	299·8	301·5	1st	294·4	292·0	6th	297·1	−1·3	*297·1*	199	+ 80
1035	St. Helena	15 57	W 5 40	632	947·5	1019·4	+ 0·3	293·4	296·9	4th	286·1	284·1	6th	289·7	+0·6	*289·6*	137	+ 38
1042	Gwelo	19 27	E 29 49	1417	862·5	..	− 2·9	296·7	300·2	3rd, 4th	278·2	274·1	11th	287·4	+1·2	..	0	− 2
1043	Salisbury, Rhodesia	17 48	31 5	1457	858·3	..	− 2·5	297·2	300·8	3rd	278·6	275·1	29th	287·9	+1·1	..	0	− 7
1044	Zomba	15 23	35 18	‡945	909·8	1016·0	− 2·5	297·2	301·3	9th	284·7	282·4	11, 16, 28	290·9	+0·8	*290·8*	7	− 0
1045	Tananarivo	18 55	47 32	1400	865·4	..	− 2·2	294·3	296·2	2nd	282·8	279·2	21st	288·6	+1·0	*287·7*	1	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·3	1011·8	− 0·2	300·7	303·0	9th	297·9	295·8	7th	299·3	−0·1	*299·0*	275	+ 34
1056																		
1057	Christmas Island	10 25	105 43	5·5	1008·2	1008·8	− 0·2	302·8	304·7	..	296·4	294·7	..	299·6	−0·2	*298·9*	163	+ 16
1058																		
1061	Koepang	10 10	123 34	45·1	..	1011·1	− 0·1	302·7	305·0	2nd	294·4	290·2	24th	298·5	..	298·1	55	+ 45
1061a	Derby	17 18	123 40	16·2	1013·4	1015·4	+ 0·8	300·2	305·5	1st	287·5	282·4	26th, 27th	293·8	−1·9	..	1	− 14
1062	Hall's Creek	18 13	127 46	374	973·9	1016·8	+ 0·5	297·6	304·1	1st, 2nd	281·4	274·8	27th	289·5	−2·2	*288·8*	4	− 1
1063	Port Darwin	12 28	130 51	29·6	1008·1	1011·5	− 0·4	303·9	306·3	13th	293·9	290·2	26th	298·9	−0·2	*297·7*	4	0
1064	Daly Waters	16 16	133 23	211	989·1	1013·2	− 1·0	300·5	305·2	1st	286·7	281·3	27th, 29th	293·6	−0·6	*292·9*	1	− 6
1065	Mein	13 13	142 47	122	997·6	1011·5	− 0·2	301·7	304·4	6th, 21st	291·6	285·2	23rd	296·7	+0·1	*296·0*	7	− 3
1066	Georgetown, Queensland	18 22	143 32	302	? 981·5	?1016·0	+ 0·9	299·4	303·0	12th	285·2	275·2	21, 22, 23	292·3	−1·2	..	2	− 2
1067	Samarai	10 37	150 40	15·2	..	..	..	299·8	..	..	295·8	..	..	297·8	−0·8	*297·6*	685	+ 433
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	1012·4	1014·4	− 0·8	299·4	301·9	10th	293·2	289·7	14th, 15th	296·3	−0·5	*296·1*	318	+ 169
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

JUNE—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	298·6	301·3	2nd, 14th	292·7	286·3	6th	295·6	+0·7	*295·4*	85	− 24
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·7	1018·0	+ 0·5	288·3	291·6	15th	282·8	281·5	10th	285·5	+0·6	*285·6*	44	− 3
1122	Iquique	20 12	70 11	9	1015·6	1016·7	+ 1·0	294·3	295·8	10th	285·0	283·0	25th	289·7	+0·6	*290·1*	0	0
1123	Catamarca	28 27	65 47	529	..	1014·8	− 0·7	294·2	301·5	8th	277·1	272·4	16th	285·7	+0·8	284·9	0	− 3
1124	Salta	24 46	65 28	1178	884·3	1016·7	+ 1·2	293·1	301·0	9th	274·7	269·7	20th	283·9	+0·1	284·2	0	− 1
1125	Goya	29 9	59 15	26	..	1018·6	+ 0·9	295·9	302·0	27th	281·7	274·0	17th	288·8	+1·7	288·4	7	− 33
1126	Asuncion	25 21	57 37	95	‡1009·3	‡1020·7	+ 1·7	296·2	300·4	9th	283·9	275·5	18th	290·1	−0·2	289·7	66	+ 5
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1014·8	1022·2	+ 3·1	294·9	301·3	..	288·8	286·3	5th	291·9	−2·0	291·7	51	− 7
1139	Windhoek	22 34	E 17 6	1665	..	..	..	290·0	296·2	3rd	278·8	274·1	9th	284·4	−1·8	*284·3*	0	− 1
1140																		
1141	Kimberley	28 42	24 47	1202	884·3	..	− 4·0	290·3	294·7	2nd	274·7	268·9	26th	282·5	−0·6	281·7	8	0
1142	Johannesburg	26 11	28 4	1806	824·0	..	− 3·4	287·5	293·8	3rd	278·3	273·3	18th	282·9	−0·5	*282·4*	17	+ 14
1142a	Pretoria	25 45	28 12	1338	871·8	..	− 2·1	291·2	297·2	3rd	277·4	273·7	18th	284·3	+0·2	*283·8*	13	+ 11
1143	Durban	29 52	31 3	15·2	1016·2	1018·0	..	295·5	300·8	1st	286·2	283·1	17th	290·9	+0·6	*290·4*	133	+104
1144	Lorenzo Marques	25 58	32 36	59	..	1017·5	− 4·5	297·9	303·4	2nd	286·5	283·8	19th	292·2	+0·3	291·6	75	+ 61
1147	Mauritius	20 6	57 33	55·2	1009·4	1015·9	− 3·1	297·8	299·4	9th	290·3	285·9	16th	294·1	+0·3	293·9	80	+ 9
1159	Onslow	21 43	114 57	4·3	1014·9	1015·8	+ 0·3	297·4	302·4	1st	282·4	278·3	13th	289·9	−2·0	..	21	− 24
1160	Peak Hill	25 38	118 47	588	948·2	1015·7	− 1·9	291·9	298·9	1st	279·9	276·8	30th	285·9	−1·1	..	19	− 17
1161																		
1162	Nullagine	21 53	120 5	386	972·1	1016·4	− 1·0	295·9	302·2	2nd	277·8	273·3	20th	286·8	−2·7	..	0	− 27
1163	Laverton	28 40	122 23	466	962·8	1017·0	− 3·1	289·6	299·1	2nd	278·6	274·0	22nd	284·1	−1·0	*284·0*	42	+ 18
1164	Alice Springs	23 38	133 37	587	950·1	1017·7	− 1·5	291·6	300·2	2nd, 4th	276·4	270·8	18th, 19th	284·0	−1·5	*283·7*	12	− 2
1164a	William Creek	28 55	136 21	76·2	1008·5	1017·6	− 2·3	292·1	300·8	3rd	278·1	270·8	19th	285·1	−0·1	*284·8*	9	− 7
1165	Boulia	22 55	139 38	146	999·9	1017·0	+ 0·2	295·7	304·8	1st	280·2	274·1	25th	287·9	−0·5	*287·6*	1	− 9
1166	Thargomindah	27 58	143 43	123	1002·6	1017·4	..	291·6	299·1	4th	279·8	273·6	19th	285·7	..	*285·4*	23	+ 2
	Mitchell	26 32	147 52	336	..	..	..	292·3	298·0	3rd, 4th	275·8	269·1	29th	284·0	−0·8	..	8	− 35
1167	Rockhampton	23 24	150 30	11·3	1016·1	1017·5	− 0·3	295·8	300·5	13th	283·6	277·2	29th	289·7	−0·7	*288·9*	4	− 46
1168	Brisbane	27 28	153 2	11·6	1017·0	1018·4	+ 0·2	293·5	296·6	20th	282·4	276·0	30th	287·9	−0·8	*287·1*	5	− 62
1169	Onitchambo	21 52	166 3	38	1008·7	1013·2	..	297·8	301·2	28th	287·4	282·5	2nd	292·6	..	..	119	− 37
1170	Norfolk Island	29 5 S.	167 53 E.	15·2	1013·1	1014·6	− 2·1	292·1	294·1	8th	288·1	283·3	20th	290·1	−0·1	*289·7*	187	+ 28

JUNE—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	290·4	296·0	7th, 18th	284·8	282·8	21st, 26th	287·6	+0·8	*287·5*	115	− 39
1221a	Punta Tumbes	36 37	73 6	91	‡1005·6	‡1016·7	+ 0·1	287·5	291·2	4th	281·5	278·0	2nd	284·5	+0·6	*284·0*	100	− 18
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1012·8	1017·8	− 0·1	289·1	293·3	3rd	281·6	278·2	21st	285·3	−0·5	*284·8*	168	+ 24
1222a	Santiago	33 27	70 42	520	956·8	1018·5	+ 0·4	289·4	298·7	4th	276·6	273·5	2nd	283·0	+0·8	*281·7*	96	+ 13
1223	Cordoba	31 25	64 12	423	966·6	1016·8	− 0·4	293·5	301·7	..	275·9	268·6	..	284·7	+1·2	284·0	0	− 7
1224	Bahia Blanca	38 45	62 15	25	..	1016·0	− 0·3	287·4	292·2	4th	278·0	273·0	29th	282·7	+0·9	282·4	7	− 18
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1018·2	− 0·2	288·2	296·0	9th	279·0	272·5	30th	283·6	−0·1	283·5	127	+ 59
1226	Montevideo (Prado)	34 52	56 12	24·9	1015·5	1018·5	+ 1·1	289·2	297·7	9th	280·1	273·4	23rd	284·6	+0·4	284·3	103	+ 33
1226a	Porto Alegre	30 2	W51 13	23·5	1018·9	1021·8	+ 2·1	293·4	302·0	14th	279·4	273·5	23rd	286·4	−0·5	285·8	26	− 95
1239	Cape Town	33 56	E 18 29	12·2	..	1018·2	− 2·3	289·4	294·3	20th	282·5	276·3	14th	286·0	−0·2	*284·8*	98	− 15
1240	Danger Point	34 37	19 18	19·5	..	..	..	289·4	294·1	10th, 22nd	283·7	279·1	4th	286·6	..	..	54	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	292·9	298·6	20th	275·9	272·4	14th, 25th	284·4	..	..	..	..
1242	East London	33 2	27 53	9·8	1016·4	1017·6	− 4·0	294·1	300·8	22nd	283·2	280·2	15th	288·7	−0·2	..	45	+ 3
1259	Perth (Observatory)	31 57	115 51	60·0	1007·0	1014·5	− 3·4	290·2	294·1	1st	282·8	277·6	4th	286·5	−0·3	*286·6*	260	+ 86
1260	Katanning	33 42	117 35	310	976·8	1013·7	− 3·4	287·4	291·3	27th	280·4	275·6	4th	283·9	+0·1	..	136	+ 65
1261																		
1262	Coolgardie	30 57	121 10	423	965·6	1015·2	− 3·7	289·1	295·8	2nd	279·3	273·8	6th	284·2	−0·3	*284·1*	39	+ 8
1263	Eucla	31 45	128 58	4·6	1013·7	1014·3	− 4·2	290·8	300·8	2nd	281·1	276·9	16th	285·9	−0·4	*285·6*	34	+ 7
1264	Streaky Bay	32 48	134 13	13·1	1014·9	1016·5	− 2·9	289·1	294·1	27th	282·2	277·1	21st	285·7	+0·1	*285·4*	132	+ 61
1265	Adelaide	34 56	138 35	42·7	1010·7	1015·9	− 3·2	288·8	295·8	3rd	281·1	275·6	21st	284·9	0·0	*284·8*	66	− 12
1266	Melbourne	37 49	144 58	35·1	1011·5	1015·8	− 2·7	286·4	292·4	4th	279·7	272·7	22nd	283·1	−0·1	282·5	92	+ 39
	Bourke	30 13	145 58	110	1007·2	1020·5	+ 0·7	290·8	299·7	4th	279·0	271·9	19th	284·9	−0·2	..	76	+ 48
1267	Sydney	33 52	151 12	44·5	1011·7	1017·1	− 0·8	288·7	294·8	5th	282·4	278·7	19th	285·6	0·0	*285·2*	133	+ 10
1268	Lord Howe Island	31 32	159 4	4·6	1014·6	1015·2	..	292·3	294·4	20th	286·4	281·8	28th	289·4	..	..	135	− 55
1271	Auckland	36 50	174 50	38·1	..	1011·5	..	288·7	291·9	10th, 25th	282·9	279·1	2nd	285·8	+0·9	..	137	+ 17
1272	Napier	39 32 S.	176 53 E.	21·3	..	1013·9	+ 1·0	287·8	292·4	21st	278·9	275·2	2nd, 7th	283·3	+0·2	..	268	+177

JUNE—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	95	+ 12
1321	Isla Huafo	43 34	74 45	140	993·6	1010·5	− 2·5	284·2	286·0	25th	281·1	277·0	1st	282·7	+1·8	*282·9*	144	− 1
1322	Punta Galera	40 1	73 44	40	1009·9	1014·8	0·0	285·7	287·2	7th, 9th	281·3	278·0	29th	283·5	+0·9	*283·6*	437	+ 78
1323	Sarmiento	45 30	69 0	274	..	1009·1	..	282·3	289·8	3rd	276·7	271·5	18th	279·5	+3·2	279·2	29	+ 20
1324	Puerto Madryn	42 49	W64 58	14	..	1012·0	..	287·0	294·2	23rd	278·3	271·4	29th	282·7	+2·1	282·2	9	− 11
1365	Launceston	41 27	E147 10	9·4	1011·8	1013·0	− 2·6	285·2	291·4	4th	278·1	271·4	21st	281·7	+0·7	*281·2*	132	+ 43
1366	Hobart	42 53	147 22	53·9	1005·2	1011·7	− 2·6	284·6	291·4	4th	278·3	274·4	10th	281·4	+0·2	*280·9*	85	+ 29
1370	Invercargill	46 25	168 21	5·5	..	..	..	283·8	289·7	6th, 7th	274·9	267·4	25th	279·3	+0·2	..	65	− 23
1371	Dunedin	45 52	170 31	91·4	..	1007·3	− 4·7	284·2	293·0	9th	277·1	271·9	13th	280·6	+1·4	..	28	− 51
1371a	Christchurch	43 31	172 38	7·6	..	1012·9	− 1·2	284·6	289·2	10th	275·1	271·2	4th	279·8	+0·2	..	17	− 54
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1014·1	+ 0·4	286·2	289·7	10th	281·1	274·6	2nd	283·7	+1·0	..	164	+ 39
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

JUNE—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24 S.	75 6 W.	55	995·8	1002·6	− 0·2	280·4	283·2	22nd	276·6	274·3	4th	278·5	+0·5	*278·1*	207	− 8
1422	Puerto de Punta Arenas .	53 10	70 54	4	1003·1	1003·6	+ 0·6	276·7	281·4	22nd	271·6	267·9	15th	274·1	−0·5	*274·8*	46	− 11
1423	Punta Dungeness . .	52 24	68 26	5	1003·5	1004·1	+ 2·1	281·3	283·5	1st	273·6	272·7	4th	277·5	+1·6	*277·9*	10	− 10
1424	Santa Cruz . . .	52 22	68 21	12	..	1006·3	+ 0·3	278·3	286·6	23rd	272·7	266·0	14th	275·5	+0·6	275·6	36	+ 23
1424*a*	Año Nuevo . . .	54 39	64 9	50	994·4	1000·6	+ 0·7	277·6	280·1	24th	274·8	270·3	10th	276·2	+0·7	276·3	42	..
1425	Stanley, Falkland Is. .	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	83	+ 36
1426	Cape Pembroke . .	51 41	57 42	21	..	1002·7	+ 0·2	279·4	282·4	21st	274·6	271·3	10th	277·0	+1·0	277·1	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	990·8	991·3	− 6·8	275·0	282·6	25th	269·3	264·4	19th	272·2	+0·9	*272·6*	250	+ 126

JUNE—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys. . .	60 44 S.	44 39 W.	7	991·9	992·8	− 2·8	266·8	274·5	22nd	258·9	247·2	12th	262·9	−0·4	262·8	24	− 5
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JUNE 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. *Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.	Sierra Leone. 834. Direction and Force.	Entebbe. 844. Direction and Force.	Malden Island. 905. Direction and Force.	Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.	Suva, Fiji. 1072. Direction and Force.
	9h.	m/s	9h. 21h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SSE	3·9	E 4 E 3	E 1 E 2	Calm 0 N 3	ESE 3	SE 2	SE 2 Calm 0	NW 1
2	SSE	—	E 5 ENE 3	SE 3 E 2	W 2 W 2	E 2	SE 2	ESE 2 SE 3	SE 3
3	SE	—	ENE 4 E 4	N 1 SE 3	Calm 0 W 3	ENE 2	SE 4	ESE 4 E 5	SE 4
4	Calm	1·3	E 4 E 4	Calm 0 NE 5	N 3 W 2	E by N 3	Calm 0	E 5 E 4	SE 4
5	Calm	3·6	NE 5 E 5	Calm 0 Calm 0	W 2 W 2	ENE 1	SE 2	E 5 E 5	SE 1
6	Calm	3·1	ENE 4 E 5	W 2 SW 1	N 2 W 4	ESE 4	SE 2	E 5 E 4	N 0
7	SSE	3·7	E 5 E 3	NE 3 NE 1	W 3 W 3	ESE 4	Calm 0	E 3 E 3	Calm 1
8	S	3·9	E 4 E 4	SE 3 E 1	W 2 N 2	E by S 3	SE 2	E 2 SE 1	NW 1
9	S	3·4	E 3 E 3	E 2 SE 3	W 2 W 2	SE 2	SE 2	E 2 E 1	Calm 0
10	SSE	5·9	ESE 4 NE 4	SE 2 E 2	N 2 N 2	SE 3	SE 2	E 3 E 5	Calm 0
11	SSE	7·4	E 5 E 4	SE 2 E 1	W 2 W 2	ESE 3	SE 4	E 4 E 4	Calm 0
12	SSE	9·3	E 5 E 4	E 1 E 2	W 3 SW 2	ESE 3	SE 6	ENE 6 E 4	Calm 3
13	E	9·3	E 4 E 4	SE 3 E 2	W 3 N 3	ESE 3	SE 6	E 5 E 2	NW 1
14	SE	8·4	E 5 E 4	SE 2 E 1	N 3 N 3	ESE 4	Calm 0	ESE 3 SE 3	SE 0
15	SSE	9·5	E 5 E 4	SW 1 W 2	W 2 W 2	ESE 5	SE 6	E 3 E 3	Calm 0
16	SSE	10·2	SE 4 NE 4	E 3 SE 2	N 2 W 3	E 3	SE 4	E 4 E 5	Calm 0
17	SE	8·6	ENE 4 NE 5	Calm 0 W 1	N 2 N 2	E by S 4	SE 6	E 4 E 2	Calm 0
18	SE	6·9	NE 5 NE 4	SE 3 Calm 0	W 3 N 4	E by S 3	SE 4	NE 3 ENE 1	Calm 0
19	SSE	5·1	SE 4 NE 4	E 2 SE 3	S 4 SW 2	ESE 4	SE 4	ENE 3 ENE 2	E 3
20	SSE	2·5	E 4 E 4	E 2 E 3	Calm 0 SW 2	SE 4	SE 4	E 3 ENE 4	SE 0
21	Calm	1·6	ESE 3 SE 4	E 1 SE 2	SW 2 SW 2	E 3	NW 2	E 3 E 2	S 2
22	Calm	—	E 5 E 3	Calm 0 Calm 0	SW 2 W 4	E by S 4	Calm 0	E 3 E 2	SE 1
23	SSE	—	E 4 E 4	Calm 0 SE 2	SW 3 W 2	SE 4	Calm 0	ESE 4 ESE 6	NE 1
24	SE	6·1	E 4 E 4	Calm 0 S 2	N 5 N 3	ESE 3	SE 2	ESE 5 ESE 4	S 1
25	SE	5·1	E 5 E 5	Calm 0 SE 1	N 4 W 3	E by S 3	SE 4	SE 4 E 1	NW 1
26	SSE	3·8	E 5 SE 4	Calm 0 W 2	W 3 W 2	E by N 5	SE 6	SE 3 SE 2	SE 1
27	SE	5·0	SE 5 SE 4	E 3 SE 1	W 3 N 2	ESE 4	SE 2	SE 4 SE 2	E 0
28	SE	5·7	SE 4 E 4	E 2 SE 1	SW 3 SW 3	SE 3	SE 2	SE 2 SE 1	Calm 0
29	SE	6·6	SE 5 SE 4	E 3 E 1	W 3 SW 3	E 3	SE 2	SE 3 ESE 4	Calm 0
30	SE	10·0	SE 4 SE 5	Calm 0 Calm 0	SW 3 SW 3	E 4	SE 6	ESE 5 SE 4	1·7
Mean ..	..	5·8	4·3 4·0	1·5 1·6	2·4 2·6	3·3	2·9	3·6 3·0	
†Resultant	150° (76)	..	95° (90)	110° (50)	280° (60)	105° (91)	135° (76)	100° (90)	115° (17)
†Normal	136° (84)	6·4	102° (70)	267° (19)	245° (40)	87° (84)	131° (81)	109° (53)	97° (69)

* Mean velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JUNE 1917.

* *White Sea, Barents Sea and Spitsbergen.*—The White Sea was probably free. In Barents Sea the ice, in small scattered floes, was only 90 miles off Vardö. The area covered was 1,187 by 10^3 sq. km., normally 841 by 10^3 sq. km. Off the W. coast of Spitsbergen heavy floes and scattered drift ice probably connected with the Greenland Sea ice, but to the E. there was little. The ice in Bell Sound broke up this month.

* *Greenland Sea, Iceland and Denmark Strait.*—In Greenland Sea the ice was more E. than usual, but about normal 60 miles N. of Mevenklint. The area covered was 1,039 by 10^3 sq. km., normally 921 by 10^3 sq. km. Iceland was free of ice, the normal duration being 7 days. At first the ice edge lay 90 miles off the W. coast of Greenland but later there was open sea.

North Atlantic and Labrador.—Icebergs were normal on the Newfoundland Banks.

* *Davis Strait and Baffin Bay.*—At first "Storis" was visible from Julianehaab, but it gradually drifted away. "Storis" was also observed 70 miles SE. of Cape Farewell on the 23rd. Off the W. coast of Greenland, the sea was ice free as far as Upernivik, and Nugsuak, Christianshaab and Egedesminde became free during the month, while Cape Atholl and Wolstenholme Is. were free by the end.

* *Bering Sea.*—The ice gradually disappeared, leaving the ice edge at St. Lawrence Is. and northwards to Cape York.

* *Isforholdene i de Arktiske Have*, 1917, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JULY 1917

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JULY 1917

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

JULY—ZONE 1.

Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23 N.	156 17 W.	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay . . .	77 20	67 30	?	1009·4	..	− 1·0	..	284·1	10th	..	273·3	22nd	..	..	*277·5*	46	..
125	Upernivik . . .	72 47	W56 7	18·9	1010·3	1012·6	+ 1·4	283·9	290·3	9th	274·7	270·0	20th	279·3	+1·4	*279·4*	20	− 3
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1011·6	1013·0	+ 0·1	..	280·9	7th	274·1	272·6	25th	..	−1·4	276·3	5	− 14
140	Gjesvaer	71 6	25 22	6·5	1012·0	1012·8	+ 1·2	..	300·5	17th	278·4	275·0	2nd	..	−1·8	*281·0*	144	+ 93
141	Mehavn	71 1	27 47	6·4	1011·5	1012·3	+ 0·2	..	299·5	18th	278·9	275·6	6th	..	−1·2	*281·4*	103	+ 47
142	Vardö	70 22	31 8	10·0	1011·6	1012·8	+ 1·0	..	291·8	17th	279·0	276·3	6th	..	−0·5	*281·1*	28	− 19
147	Malye Karmakouly . .	72 23	52 43	14·8	1012·0	1013·8	+ 0·8	..	286·2	26th	..	..	..	..	−3·6	*275·6*	..	..
148	Waigatz	70 24 N.	58 47 E.	11·2	1009·2	1010·6	0·0	279·8	295·3	26th	273·3	270·7	5th	276·6	..	*276·0*	62	..

JULY—ZONE 2.

Between Latitude 70° N. and 60° N.

202	Gambel	63 51 N.	171 35 W.	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1009·1	− 2·4	286·7	299·1	1st	279·4	274·1	13th, 24th	283·1	−0·4	*283·5*	38	− 31
204	Candle	65 55	161 57	2·4	..	..	..	285·7	297·4	1st	278·6	273·0	25th	282·1	..	..	47	..
205	Tanana	65 10	152 6	67·1	..	1008·4	− 2·6	292·3	302·4	1st	280·6	273·0	21st	286·4	−1·3	*286·6*	132	+ 79
206	Rampart	65 30	150 15	122	..	..	..	295·1	301·9	3, 15, 16	281·1	274·7	28th	288·1	..	..	84	+ 47
207	Valdez	61 7	146 16	8·2	..	..	..	286·4	295·2	7th	279·8	275·8	28th	283·1	−2·2	*283·3*	115	+ 43
208	Eagle	64 46	141 12	254	..	1006·8	− 3·3	292·4	297·4	16th	280·1	274·1	29th	286·2	−1·1	..	43	+ 2
209	Dawson	64 4	139 20	328	986·1	1006·5	− 7·0	293·0	299·1	9th	280·2	273·0	24th	286·6	−1·7	..	56	+ 5
210	Carcross	60 11	134 34	662	..	..	..	288·7	296·3	10th	277·7	271·9	22nd	283·2	−2·0	..	39	+ 10
211	Fort Good Hope . . .	66 25	128 53	65·2	1000·3	1008·1	..	294·7	300·8	12th	280·8	272·4	29th	287·7	..	..	34	..
212	Fort Simpson . . .	61 52	121 35	129	991·0	1006·2	..	294·7	303·6	14th	284·1	278·0	21, 22, 23	289·4	+0·7	..	121	+ 75
213	Hay River . . .	60 51	115 20	161	985·6	1004·7	..	291·3	300·8	15th	281·9	274·7	24th	286·6	−2·8	..	59	..
225	Jacobshavn . . .	69 13	51 2	12·6	1011·5	1013·0	+ 1·5	..	..	..	..	..	..	..	+0·5	*281·2*	68	+ 38
226	Godthaab . . .	64 11	51 43	9·0	1009·5	1010·6	+ 0·8	287·4	294·2	5th	278·3	274·4	20th	281·9	+2·2	*281·8*	49	− 10
227	Ivigtut	61 12	48 10	5·0	1011·5	1012·1	+ 2·5	..	..	..	280·4	276·4	25th	..	+2·9	*285·8*	77	− 7
229	Angmagsalik . . .	65 37	37 33	31·7	1009·9	1013·8	+ 2·6	287·6	292·7	6th	277·0	272·1	23rd	282·3	+2·1	*281·5*	6	− 50
231	Stykkisholm . . .	65 5	22 46	11·3	1014·6	1016·0	+ 6·5	288·9	292·5	4th	282·0	280·3	13th	285·5	+2·2	*284·9*	18	− 20
232	Vestmanno . . .	63 3	20 15	7·7	1013·4	1014·3	+ 5·1	289·2	293·1	31st	282·4	278·9	6th	285·8	+1·2	*284·9*	56	− 25
232*a*	Akureyri . . .	66 33	17 58	22·0	..	..	..	286·4	294·8	21st	278·5	273·3	2nd	282·5	+1·7	*281·9*	0	− 29
234	Berufjord . . .	65 40	18 4	6·8	1013·8	1014·6	+ 4·7	..	..	..	..	..	..	..	..	..	..	..
235	Thorshavn . . .	64 40	14 19	18·0	1013·0	1015·2	+ 5·2	287·0	292·8	20th	278·8	274·5	8th	282·9	+1·1	*282·9*	28	− 35
236	Lerwick . . .	62 3	6 45	25·7	1013·9	1017·0	+ 5·4	287·0	290·3	22nd	281·3	276·9	5th	284·1	+0·4	*284·0*	92	+ 13
237	Bergen (Met. Obs.) . .	60 9	W 1 8	18·0	1015·6	1017·8	+ 6·6	287·4	290·8	21st	282·6	278·0	1st	285·0	+0·6	*285·1*	47	− 11
238	Christiansund . . .	60 24	E 5 19	44·4	1010·7	1016·0	+ 4·8	..	297·4	31st	283·6	280·0	7th	..	−0·3	*287·0*	32	− 86
239	Trondhjem . . .	63 7	7 45	17·8	1014·8	1016·9	+ 5·7	..	294·2	16th	283·2	279·2	5th	..	−0·5	*285·6*	51	− 27
240	Bodö	63 26	10 25	39·5	1012·4	1017·2	+ 6·2	..	300·0	15th	282·6	277·5	6th	..	−1·1	*285·9*	68	+ 1
241	Haparanda . . .	67 17	14 24	22·4	1013·2	1015·9	+ 5·1	..	297·0	16th	281·5	277·2	5th	..	−1·8	*283·7*	60	− 11
242	Helsingfors . . .	65 50	24 9	9·2	1012·8	1013·9	+ 3·6	291·3	300·0	16th	282·4	277·0	8th	286·9	−1·3	*286·7*	59	+ 13
242*a*	Kuopio	62 54	27 40	11·7	1011·8	1013·2	+ 2·2	294·0	298·7	30th	284·5	278·4	7th	289·3	−0·5	*289·3*	8	− 51
		60 10	24 57	90·3	1002·0	1012·8	+ 1·7	293·4	300·1	30th	284·0	278·7	7th	288·7	+0·1	*289·4*	31	− 38
243	Kola	68 53	33 1	6·7	1012·3	1013·1	+ 2·4	288·8	302·0	18th	279·9	274·9	1st	284·4	−0·9	*284·4*	35	− 13
244	Petrozavodsk . . .	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk . . .	64 35	40 36	5·8	1011·4	1012·1	+ 1·5	291·9	300·5	19th	281·8	275·3	26th	286·8	−1·5	*287·2*	53	− 7
246	Mezen	65 50	44 16	12·6	1010·0	1011·5	+ 1·6	290·5	300·5	1st	278·8	273·3	4th	284·6	−1·1	*285·5*	42	− 6
247	Oust-Tsylma . . .	65 25	52 14	? 70	1002·2	1010·6	+ 1·5	292·1	303·2	1st	281·9	275·1	3rd	287·0	−0·8	*286·5*	68	..
248	Tcherdyn . . .	60 24	56 31	?177	989·5	1010·3	+ 1·2	297·0	304·5	6th	285·8	278·5	23rd	291·4	+1·0	*291·0*	47	− 15
249	Berezov	63 56	65 4	39·9	1006·8	1011·5	+ 2·0	294·4	302·2	1st	283·6	272·8	21st	289·0	+0·5	*289·2*	42	− 14
250	Obdorsk	66 31	66 35	23·7	1008·8	1011·6	+ 2·0	292·3	303·5	7th	282·0	274·8	19th	287·2	+1·0	*287·5*	14	− 33
251	Sourgout	61 15	73 24	? 40	1005·4	1010·1	+ 2·1	..	302·2	14th	284·2	274·7	21st	..	+1·1	*290·9*	70	+ 8
252	Doudinka	69 23	86 4	20	1006·3	1008·7	+ 1·5	..	301·5	12th	281·9	275·3	3rd	..	..	*287·1*	40	..
253	Touroukhansk . . .	65 47	87 57	45	1004·4	1009·7	+ 4·2	..	304·3	12th	282·9	274·0	4th	..	+0·4	*289·2*	69	+ 19
254	Olekminsk . . .	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Jakoutsk	62 1	129 43	108	996·0	1008·7	+ 2·9	..	303·3	9th	285·0	278·4	14th	..	+1·0	*292·6*	19	− 22
262	Verkhoïansk . . .	67 33	133 23	100	995·8	1007·5	+ 3·7	..	306·2	19th	283·0	276·5	10th	..	+4·0	*292·3*	2	− 27
263	Oust-Malskoe . . .	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Markovo-sur-Anadyr . .	64 45	170 50	25·9	1009·1	1012·2	+ 3·5	290·8	296·9	29th	279·8	273·6	29th	285·3	−1·7	..	57	+ 27
271	Novo-Mariinskii Post .	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

JULY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	202	..
302	St. Paul Island	57 15	170 10	6·1	..	1013·5	+ 2·3	281·8	283·6	5th	277·1	275·2	1st, 2nd	279·4	..	..	73	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1017·9	+ 1·8	288·7	299·1	9th	281·3	276·3	12th, 15th	285·0	+1·2	*284·6*	87	+ 28
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	1012·2	− 2·5	287·5	294·7	7th	281·6	278·0	3rd	284·6	..	*284·7*	69	− 10
309	Sitka	57 3	135 19	27·4	..	..	..	288·4	293·6	9th	281·3	278·0	9th	284·8	−1·0	*285·0*	150	+ 48
310	Prince Rupert	54 18	130 18	51·8	1009·0	1015·3	− 2·2	288·6	293·0	14th	281·9	279·7	12th	285·2	−1·9	*285·1*	95	+ 27
311	Barkerville	53 2	121 35	1274	871·2	..	..	290·8	297·4	14, 17, 18	277·4	273·0	21, 23, 29	284·1	−1·4	*283·8*	107	− 29
312	Kamloops	50 42	120 29	385	970·9	1015·1	− 0·8	303·0	309·7	18th, 26th	285·8	279·7	31st	294·4	+0·5	*293·9*	3	− 3
313	Calgary	51 2	114 2	1045	893·3	..	..	300·8	305·8	16th	281·3	274·1	31st	291·1	+2·2	*291·1*	12	− 54
314	Fort Chipewyan	58 42	111 10	218	980·5	1005·9	..	295·8	304·7	15th	284·7	270·8	22nd	290·2	+0·8	*290·9*	51	− 9
315	Prince Albert	53 10	106 0	442	957·7	1008·2	− 1·8	300·2	306·3	17th	284·7	278·6	2nd	292·4	+2·7	*292·1*	9	− 9
316	Qu'Appelle	50 30	103 47	645	935·5	1008·6	− 3·4	299·7	311·9	27th	284·7	274·1	2nd	292·2	+1·5	291·4	19	− 46
317	Minnedosa	50 15	99 50	515	951·2	1009·8	− 2·4	301·3	310·2	28th	284·1	273·0	3rd	292·7	+2·1	*292·3*	20	− 33
318	Berens River	52 18	97 23	216	..	..	..	294·7	305·2	8th	284·0	278·0	1st	289·3	−2·0	..	33	..
318*a*	Port Nelson	57 4	92 36	14·9	1007·3	1009·1	..	291·3	302·4	17th	279·7	271·9	3rd, 9th	285·5	..	..	92	..
319	Fort Hope	51 33	87 49	‡260	979·3	1012·2	..	296·9	305·2	24th	283·6	274·7	4th	290·2	+0·9	*290·5*	..	− 34
320	Moose Factory	51 14	80 30	9·1	1009·7	1010·8	− 1·4	296·9	305·2	8th, 9th	284·1	278·6	10th	290·5	+0·7	..	7	..
321	Fort George	53 50	79 5	97·5	..	..	..	294·7	300·8	8th, 14th	282·7	276·3	5th	288·7	..	..	81	..
322	Mistassini Post	50 15	73 55	383	..	..	..	295·6	300·2	8th, 18th	284·9	279·1	28th	290·3	..	..	75	..
323	Hebron	58 12	62 21	15·0	1016·7	1018·5	+ 9·5	..	..	..	279·3	274·8	..	..	..	*282·9*	10	..
324	Natashquan	50 8	61 48	?	..	..	..	290·6	296·3	27th	282·5	276·3	8th	286·6	..	..	22	..
326	Belle Isle	51 53	55 23	133	995·6	1011·8	− 0·4	284·7	289·7	26th	278·0	275·2	17th	281·3	−1·5	*281·3*	40	− 89
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1015·6	1017·3	+ 1·8	291·8	294·7	21st	285·8	279·7	1st	288·8	+0·9	288·7	147	+ 43
335	Aberdeen	57 10	2 6	26·8	1014·9	1018·1	+ 5·5	289·4	295·8	27th	283·4	277·4	11th	286·4	−0·3	286·4	93	+ 31
336	Greenwich	51 28	W 0 0	46·3	1012·9	1018·4	+ 2·9	295·9	302·4	14th	284·8	280·2	11th	290·4	−0·2	289·8	108	..
337	Uccle	50 48	E 4 22	100	1005·5	1017·5	+ 1·6	295·4	301·7	29th	285·2	280·5	22nd	290·3	−0·2	289·9	104	+ 20
338	De Bilt	52 6	5 11	3·0	1017·2	1017·6	+ 2·5	294·8	298·9	14th	284·9	280·6	7th	289·9	−0·4	289·7	63	− 3
338*a*	Hamburg	53 33	9 58	26·0	1013·5	1016·6	+ 2·8	294·6	299·5	28th	287·1	282·5	7th	290·9	+0·5	*290·5*	63	− 20
339	Copenhagen	55 41	12 36	5·0	1014·8	1015·4	+ 2·5	294·0	296·9	31st	287·4	284·2	8th	290·7	+1·0	*290·5*	35	− 25
340	Potsdam	52 23	13 4	84·9	1006·1	1016·2	+ 1·8	297·2	303·4	28th	285·7	280·9	7th	291·5	+0·6	291·1	41	+ 5
340*a*	Upsala	59 51	17 38	24·0	1011·7	1014·5	+ 3·8	294·6	302·1	14th	282·0	275·4	11th	288·3	−0·4	288·8	77	+ 22
341	Warsaw	52 13	21 1	133	998·0	1013·6	0·0	296·4	303·9	1st	286·4	283·4	4th	291·4	−0·6	291·3	99	− 26
342	Jurjev	58 23	26 43	74·5	1003·6	1012·5	+ 1·5	293·3	301·4	31st	283·6	277·1	7th	288·4	−1·5	288·5	55	..
343	Petrograd	59 56	30 16	4·8	1011·0	1011·6	+ 0·6	292·5	298·6	16th	285·5	279·0	8th	289·0	−1·6	*289·0*	51	− 13
344	Kiev	50 27	30 30	183	989·4	1010·9	− 0·8	296·0	302·8	3rd	286·7	283·5	8th	291·4	−2·2	*290·6*	69	− 9
344*a*	Moscow	55 50	37 33	167	988·3	1007·9	− 2·7	296·3	305·2	3rd	286·4	279·2	27th	291·4	−1·3	*290·6*	80	+ 3
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	999·8	1009·1	− 0·1	301·6	310·5	14th	289·1	280·3	28th	295·4	+1·6	*294·8*	40	− 4
347	Orenburg	51 45	55 6	109	997·0	1009·7	+ 1·6	302·3	310·0	6th	289·1	283·0	29th	295·7	+1·2	*295·7*	35	− 26
348	Perm	58 1	56 16	163	991·2	1010·3	+ 1·8	298·6	306·0	13th	287·1	281·3	30th	292·8	+1·6	*292·6*	47	..
349	Ekaterinburg	56 49	60 38	281	977·2	1009·9	+ 0·6	297·3	304·7	14th	285·6	280·6	20th	291·4	+1·1	*291·4*	42	− 31
350	Tobolsk	58 12	68 14	?108	998·2	1011·0	+ 1·3	296·8	303·6	3rd	286·8	281·5	19th	291·8	+0·4	*291·7*	80	+ 10
351	Akmolinsk	51 12	71 23	?347	968·8	1009·0	+ 1·0	..	301·6	15th	285·7	280·2	12th	..	−2·3	*290·9*	54	+ 18
352	Omsk	54 58	73 23	87·9	998·6	1009·0	+ 1·1	..	300·6	14th, 15th	286·3	282·2	6th, 12th	..	−1·2	*291·0*	114	..
353	Barnaoul	53 20	83 48	162	989·1	1008·0	+ 1·0	297·0	304·5	16th	285·3	277·5	8th	291·2	−1·2	*291·4*	..	− 37
354	Tomsk	56 30	84 58	122	992·7	1007·1	0·0	..	300·4	26th	285·2	278·9	8th, 18th	..	−1·0	*290·0*	33	..
355	Minousinsk	53 43	91 41	249	978·2	1007·0	+ 0·3	..	305·3	27th	286·0	277·6	8th	..	..	*292·7*	36	− 9
356	Eniseisk	58 27	92 10	77·6	997·6	1006·8	− 0·3	..	301·8	27th	283·7	274·5	8th	..	−1·4	*290·4*	43	− 19
357	Irkutsk	52 16	104 19	467	952·4	1006·1	− 0·5	..	301·6	29th	283·0	274·0	20th	..	−1·4	*289·3*	122	+ 48
358	Kirensk	57 47	108 7	263	974·2	1004·4	− 2·2	..	303·7	15th	285·6	278·7	4th	..	+1·2	*292·6*	142	+ 39
359	Tchita	52 2	113 30	687	925·6	1002·9	− 1·4	..	302·8	30th	284·4	277·7	5th	..	−0·8	*290·8*	115	..
360	Blagoveshchensk Priisk	58 10	114 19	490	..	..	..	..	..	..	..	..	..	..	..	..	..	− 46
360*a*	Nertchinskii Zavod	51 19	119 37	626	933·2	1003·7	− 1·2	..	306·0	27th	284·9	278·7	6th	..	+0·4	*291·7*	69	..
361	Tygan Ourkan	54 5	124 46	379	961·4	1005·0	..	296·3	301·8	27th	284·8	274·2	4th	290·6	..	*290·6*	165	+ 117
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	988·4	1004·8	+ 0·2	299·9	304·0	27th	290·3	287·0	24th	295·1	+0·5	*294·6*	240	..
363	Paikanskii Sklad	50 11	130 7	145	988·0	1004·9	..	299·0	302·1	19th, 28th	286·9	281·6	24th	293·0	..	*293·0*	227	..
364																		+ 14
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1009·1	1011·6	+ 4·8	..	296·2	1st	283·6	279·6	8th, 25th	..	−2·1	*287·3*	64	+ 1
366	Okhotsk	59 21	143 12	6·0	1013·0	1013·7	+ 4·2	286·4	291·3	16th	281·3	278·8	24th	283·9	−1·4	*283·8*	59	..
367																		..
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1010·6	1012·2	+ 1·9	290·0	299·8	8th	281·0	278·0	31st	285·5	..	*284·7*	83	..
369																		..
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	282·8	291·9	14th	..	..	..	..	..	..	144	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JULY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·8	1017·3	+ 0·6	292·4	300·2	14th	283·6	282·4	sev. dates	288·0	−0·4	287·0	4	− 5
412	Portland, Oregon	45 32	122 41	46·6	1010·6	1015·9	− 1·1	300·0	305·8	14th	287·1	283·0	23rd	293·6	+1·5	*293·6*	0	− 15
413	Macleod	49 44	113 24	953	..	..	..	302·4	308·0	17th	283·8	276·9	24th	293·1	+1·9	*293·5*	16	− 35
414	Helena	46 34	112 4	1253	873·8	1012·2	− 1·2	303·6	308·6	22nd	287·1	279·7	1st	295·3	+2·8	*295·2*	7	− 22
414*a*	Salt Lake City	40 46	111 54	1329	807·4	1011·8	− 0·2	305·5	309·1	22nd	292·7	288·6	1st	299·1	+1·7	*299·3*	17	+ 4
415	Cheyenne	41 8	104 48	1856	816·6	1014·2	+ 1·5	300·2	304·1	24th	285·1	278·0	1st	292·7	−0·4	*292·3*	41	− 9
416	North Platte	41 8	100 45	859	916·8	1013·5	+ 0·1	306·0	313·0	28th	289·2	283·0	16th	297·6	+1·1	*297·1*	29	− 42
416*a*	Bismarck	46 47	100 38	511	953·4	1012·5	− 1·3	303·4	314·7	28th	288·4	279·7	3rd	295·9	+1·6	*295·8*	38	− 19
417	Winnipeg	49 53	97 7	232	983·4	1010·2	− 2·5	300·2	306·9	21st, 28th	289·9	278·6	2nd	293·6	+1·6	*293·4*	83	+ 3
418	Duluth	46 47	92 6	345	972·1	1012·5	− 1·5	296·4	307·4	29th	285·7	280·2	11th	291·1	+0·6	*291·4*	109	+ 6
419	Port Arthur	48 27	89 12	196	988·3	1011·3	− 2·4	295·8	304·7	30th	285·8	279·7	4th	290·8	+1·0	*290·7*	37	− 59
420	Chicago	41 53	87 37	251	984·7	1013·9	− 1·3	299·3	309·7	30th	291·4	285·8	10th	295·3	−0·3	*295·1*	68	+ 20
421	Toronto	43 40	79 24	116	999·6	1013·2	− 1·0	299·7	309·7	29th, 30th	289·1	282·4	4th	294·4	+1·3	294·1	91	+ 14
422	New York (Central Park)	40 46	73 58	30·2	1011·1	1014·6	− 1·0	301·4	310·8	31st	293·3	288·0	11th	297·4	−0·2	296·9	127	+ 17
423	St. John, N.B.	45 17	66 4	36·2	1009·1	1013·4	− 0·1	292·4	303·0	31st	284·7	281·9	1st	288·6	−0·2	288·1	33	− 59
424	S.W. Point, Anticosti	49 24	63 33	9·1	1011·3	1012·4	+ 2·0	289·7	293·6	26th	284·7	278·6	5th	287·2	+0·5	*287·4*	42	− 41
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1015·7	1016·6	+ 0·5	289·7	294·1	31st	285·8	283·0	1, 8, 11	287·7	−0·5	*287·3*	80	− 16
425	Port aux Basques	47 35	59 10	9·1	1012·5	1013·6	0·0	290·2	294·1	6, 21, 23	284·1	280·8	3rd, 9th	287·2	+1·1	*286·9*	127	+ 10
426	St. John's, Newfoundland	47 34	52 42	38·1	1007·6	1012·1	− 1·0	292·4	301·3	14th	284·1	280·2	1st	288·3	+0·4	*287·9*	67	− 23
435	Madrid	40 24	3 41	655	942·0	1014·9	+ 0·1	308·6	313·3	13th	288·5	284·0	1st	298·5	+1·1	298·8	0	− 10
436	Nantes	47 15	W 1 34	36·5	1014·3	1018·6	+ 1·0	296·2	303·1	13th	286·4	283·5	23rd	291·3	−0·5	291·2	23	− 34
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1012·5	1018·5	+ 1·5	296·7	304·5	28th	285·9	281·0	6th	291·3	−0·1	291·2	72	+ 20
438	Marseilles	43 18	5 23	74·8	1007·3	1016·1	+ 1·0	302·3	308·2	20th	288·8	284·4	12th	295·5	−0·2	295·1	2	− 26
438*a*	Zürich	47 23	8 33	493	961·6	1018·8	+ 1·4	297·0	304·8	29th	285·9	281·3	12th	291·4	−0·9	290·6	204	+ 75
439	Rome	41 54	12 27	45	1010·3	1015·6	+ 0·6	303·0	305·7	24th	292·0	289·4	12th	297·5	+0·1	*297·8*	10	− 9
440	Vienna	48 15	16 22	203	991·4	1015·1	+ 0·3	298·1	304·3	31st	289·1	285·8	15th	293·6	+0·9	293·4	47	− 23
440*a*	Buda-Pesth	47 31	19 1	130	999·4	1014·4	+ 0·2	302·3	309·3	31st	289·0	286·3	11th	295·6	+1·6	*295·4*	31	− 24
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1003·9	1013·5	+ 0·7	302·2	306·2	31st	288·9	285·0	14th	295·5	−0·7	295·1	67	0
443	Odessa (University)	46 29	30 44	65·3	1005·0	1012·7	+ 0·4	299·1	302·6	12th	290·2	285·9	28th	294·6	−1·1	*294·3*	24	− 25
444	Kharkov (University)	50 0	36 14	140	993·2	1009·6	− 2·4	298·1	308·3	13th	287·4	282·1	7th	292·8	−0·8	*292·2*	51	− 15
444*a*	Novorossiisk	44 44	37 49	37·1	1007·6	1011·9	+ 0·9	300·3	305·0	11th	291·2	285·1	27th	295·8	−0·7	*295·3*	137	+ 81
445	Tiflis	41 43	44 48	404	964·2	1009·6	− 0·8	306·3	311·5	13th	292·3	298·7	28th	299·3	+1·1	*298·5*	11	− 39
446	Astrakhan	46 21	48 2	−13·8	1013·0	1011·4	+ 1·5	393·7	307·2	15th	293·8	288·7	27th	298·8	−0·4	*297·9*	20	+ 7
447	Fort Alexandrovsk	44 30	50 16	24	1007·4	1010·1	0·0	..	308·5	15th	294·8	287·0	30th	..	+0·7	*299·2*	23	+ 11
448	Krasnovodsk	40 0	52 59	−14·6	1009·6	1008·0	− 0·6	308·4	312·4	16th	299·3	294·6	27th	303·8	+2·2	*303·7*	0	− 4
449	Aralskoe More	46 47	61 42	57·0	1003·1	1009·7	+ 1·5	303·8	310·2	9th	292·4	288·8	1st	298·1	−1·3	*298·7*	10	..
450	Tashkent	41 20	69 18	479	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 0	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	?825	912·2	1002·7	− 1·3	303·5	311·9	28th	291·8	284·8	1st	297·6	..	*296·9*	5	..
461	Mukden	41 48	123 23	43·8	1000·8	1005·8	+ 1·7	304·0	308·7	6th	293·9	290·2	5th	298·9	+0·9	298·5	225	+ 68
462	Joshin	40 40	129 11	4·0	1008·0	1008·5	+ 1·5	298·0	306·3	25th	291·7	288·6	3rd	294·9	+1·7	294·5	112	− 11
463	Yuki	42 20	130 24	65·6	1001·0	1008·7	..	296·7	303·7	12th	290·6	286·3	7th	293·7	..	293·1	96	..
464	Vladivostok	43 7	131 55	6·6	994·2	1009·3	+ 1·1	295·0	301·6	24th	288·6	285·0	6th	291·8	−0·1	291·5	112	+ 35
465	Ochiai	47 20	142 44	128	1010·1	1010·9	+ 0·7	290·5	299·5	23rd	282·1	278·6	7th, 8th	286·3	−1·8	286·1	139	+ 33
466	Nemuro	43 20	145 35	26·7	1008·2	1011·4	+ 1·3	290·6	298·5	13th	283·9	279·8	17th, 18th	287·3	−0·3	268·8	149	+ 52
466*a*	Syana	45 14 N.	147 53 E.	39·3	1007·0	1011·7	+ 1·0	289·2	297·3	31st	282·3	280·3	17th, 27th	285·7	−0·8	285·6	80	0
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

JULY—ZONE 5 (Western Half).

Between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1007·1	1012·8	− 1·5	292·7	304·1	21st	284·2	282·4	3rd	288·4	+0·3	*287·4*	0	− 1
512	San Luis Obispo	35 18	120 39	61·3	1006·4	1013·5	− 0·9	299·9	304·7	10th	284·2	279·1	1st	292·1	+1·2	*291·1*	0	0
513	San Diego	32 43	117 10	26·5	1009·1	1012·2	− 0·7	296·1	298·6	2nd	290·9	289·1	7th	293·5	+0·7	*293·1*	0	− 1
514	Modena	37 48	113 54	1670	834·9	1011·2	− 0·3	305·3	309·1	12th	287·9	280·8	1st	296·6	+2·3	*296·2*	26	− 11
515	Santa Fé	35 41	105 57	2138	790·8	1010·5	− 1·1	301·7	305·2	14th	288·2	285·8	31st	294·9	+0·5	*293·9*	11	− 55
516	Denver	39 45	105 0	1613	840·1	1013·9	+ 1·2	303·1	307·4	27th	289·2	284·1	3rd	296·1	+0·4	*295·5*	8	− 35
517	Abilene	32 23	99 40	530	953·1	1012·2	− 1·0	309·0	313·0	10th	295·9	291·9	18th	302·4	+1·6	*302·5*	23	− 31
518	Saint Louis	38 38	90 12	173	993·8	1013·9	− 1·3	304·2	308·6	13th	293·9	289·7	4th	299·1	−0·3	*298·9*	81	− 9
519	Mobile	30 41	88 2	17·4	1014·7	1016·9	+ 0·6	304·7	308·6	30th	296·3	292·4	6th	300·5	−0·2	*299·7*	268	+ 87
520	Nashville	36 10	86 47	166	996·6	1015·9	− 0·2	303·3	308·0	14th	292·8	288·6	13th	298·1	−1·3	*298·0*	83	− 22
521	Charleston	32 47	79 56	14·6	1015·6	1017·3	+ 0·5	303·8	308·0	28th	296·5	291·9	8th	300·1	+0·2	*300·6*	253	+ 79
522	Washington	38 54	77 3	34·1	1011·0	1014·9	− 0·5	302·4	310·2	31st	293·2	289·7	11th	297·8	−0·7	*297·2*	239	+123
524	Bermuda	32 18	64 46	46·0	1017·4	1022·8	+ 2·4	301·4	303·6	19th	296·1	294·6	7th	298·8	−0·3	*298·7*	76	− 40
530	Santa Cruz (Flores)	39 27	31 9	28	1020·4	1023·5	− 2·4	297·1	299·8	8th	291·9	288·7	11th	294·5	0·0	*294·4*	59	− 2
531	Horta	38 32	28 38	65	1016·4	1023·6	− 1·1	296·4	300·5	31st	290·5	288·2	14th	293·5	−0·7	293·8	24	− 40
532	Ponta Delgada	37 44	25 40	22	1021·9	1023·8	− 0·5	296·3	299·7	31st	290·8	287·5	1st	293·5	−0·5	293·6	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	20	− 21
533	Madeira (Funchal)	32 37	16 54	25	1018·0	1020·9	+ 0·7	296·8	305·0	23rd	291·5	289·0	17th	294·1	−0·4	*294·4*	0	− 3
534	Lisbon	38 43	9 9	95	1007·3	1018·5	+ 1·1	300·7	308·3	11th	290·8	288·2	3rd, 4th	295·7	+0·9	*295·1*	0	− 4
535	Gibraltar	36 6	5 21	16·2	1015·8	1017·7	+ 0·7	300·9	304·7	22nd	292·8	290·2	1st, 2nd	296·9	+0·1	*296·3*	0	− 1
536	Melilla	35 18 N.	2 59 W.	8	‡1018·4	‡1019·3	+ 0·5	302·9	306·8	16th, 29th	293·9	290·8	6th	298·4	−0·4	*299·0*	0	0
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

JULY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 38	23	1014·2	1016·9	− 0·5	303·3	306·8	21st	291·9	289·4	12th	297·6	−0·4	..	13	+ 2
538	Algiers (Bouzaréah)	36 48	3 2	344	977·3	1016·8	+ 1·0	299·9	308·2	15th	292·7	290·6	13th	296·3	0·0	295·9	0	− 4
539	Tunis	36 48	10 10	33	‡1013·2	‡1017·0	+ 1·5	305·3	313·5	30th	292·3	288·9	15th	298·8	−0·5	*299·0*	0	− 4
539a	Malta	35 53	14 31	56·4	..	1016·2	+ 0·4	301·2	304·2	23rd	295·5	294·1	16th	298·3	0·0	*297·5*	0	− 1
540	Riposto	37 41	15 14	14·2	..	1017·5	+ 1·2	301·9	303·4	23rd	294·2	291·4	18th	298·1	−0·9	*297·0*	0	− 8
541	Athens	37 58	23 43	107	999·8	1012·1	+ 0·7	305·2	310·9	18th	295·5	292·8	16th	300·4	+0·5	300·3	0	− 7
542	Alexandria	31 12	29 53	32·0	1005·5	1009·1	− 0·8	302·0	303·1	19th	295·8	293·6	1st	298·9	0·0	*298·4*	0	0
543	Cairo (Helwan)	29 52	31 20	116	994·3	1007·5	− 0·7	307·9	310·8	22nd, 24th	293·9	292·0	31st	300·9	−0·3	300·5	0	0
544	Nicosia (P.W.D.)	35 9	33 22	159	987·1	1004·6	− 1·4	309·4	313·6	23, 24, 25	294·3	290·8	12th	301·9	+0·7	..	0	− 2
544a	Beirut	33 54	35 28	33·7	..	1005·6	− 1·2	303·7	305·6	17th	296·4	294·1	5th	300·0	+0·2	*299·9*	0	− 1
545	Baghdad	33 21	44 28	38·7	..	..	..	318·8	323·4	21st	301·1	296·3	6th	309·9	+2·2	*309·9*	0	0
546	Busrah	30 31	47 53	7·6	996·6	997·7	− 1·9	318·2	323·1	22nd	300·4	296·9	6th	309·3	+2·7	..	0	0
546a	Lenkoran	38 46	48 51	−19·3	1011·8	1009·6	+ 0·3	..	305·3	23rd	294·0	291·2	5th	..	+0·8	*298·9*	9	− 12
547	Teheran	35 41	51 25	1220	..	..	..	310·7	313·9	7th	296·4	293·2	28th	303·6	+1·2	*303·4*	0	− 6
548	Meshed	36 16	59 35	946	..	..	..	307·9	310·4	22nd, 24th	289·1	283·6	2nd	298·5	+0·3	..	0	− 2
549	Seistan	31 0	61 30	?	..	..	..	312·1	316·5	28th	298·3	292·9	3rd	305·2	..	..	0	..
550	Quetta	30 11	67 3	1677	825·3	..	− 0·6	308·3	311·4	29th	290·2	284·9	16th, 17th	299·2	+0·3	*299·0*	0	− 19
551	Peshawar	34 2	71 37	339	959·0	995·6	− 2·1	314·6	320·4	10th	300·1	294·7	12th	307·3	?+1·6	*306·8*	2	− 34
551a	Lahore	31 34	74 20	214	972·8	996·4	− 1·3	309·9	315·7	21st	300·6	294·8	12th	305·3	+0·1	*304·8*	88	− 51
552	Simla	31 7	77 8	2205	775·7	..	− 0·9	292·3	293·4	31st	288·6	285·5	12th	290·4	−0·6	*290·2*	490	+ 59
552a	Leh	34 10	77 42	3503	663·5	..	− 0·7	297·5	302·2	15th	283·8	278·9	3rd	290·7	+0·1	*289·7*	18	+ 6
559	Hankow	30 35	114 17	37·0	999·0	1003·2	− 0·9	305·1	309·7	4th	298·1	294·8	11th	301·6	−0·1	*301·3*	178	− 6
560	Tientsin	39 10	117 10	5·0	1003·5	1004·1	+ 0·1	304·9	312·3	7th	296·5	293·7	17th	300·7	+0·5	*300·1*	182	+ 8
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1005·4	+ 0·6	305·1	310·7	3rd	297·1	292·0	7th	301·1	+0·3	300·2	218	+ 68
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1001·0	1008·9	+ 2·5	301·9	306·6	31st	294·4	291·1	7th	298·2	+1·4	297·6	160	− 55
562a	Nagasaki	32 44	129 52	133	995·1	1010·3	+ 1·9	303·8	306·9	31st	296·3	294·5	8th	300·0	+0·9	299·4	76	− 162
563	Kioto	35 1	135 44	42·9	1005·9	1010·8	+ 2·5	306·0	310·2	25th	294·5	292·3	29th	300·3	+2·0	299·9	69	− 139
564	Tokio	35 41	139 45	21·3	1009·1	1011·6	+ 2·3	303·3	307·2	27th	295·0	290·5	18th	299·1	+1·6	298·7	17	− 123
565	Kanayama	37 53	140 46	24·6	1008·5	1011·3	+ 2·0	301·7	308·3	26th	292·6	289·0	30th	297·1	+2·0	296·7	32	− 129
566	Miyako	39 38	141 59	30·4	1007·4	1010·9	+ 1·5	301·1	308·3	13th	290·5	288·0	10th	295·8	+2·3	295·0	33	− 110
		N.	E.															

JULY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1016·8	1018·1	+ 1·6	301·1	301·9	..	295·3	293·6	..	298·2	−0·1	*298·1*	14	− 16
614	La Paz	24 10	110 20	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	823·0	..	+ 1·2	..	303·2	3rd	..	284·6	2nd	..	+0·4	*292·9*	138	− 16
616a	Monterry	25 40	100 19	535	953·0	1012·5	..	..	310·4	11th	..	293·6	8th	..	..	*300·0*	14	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	297·0	..	..	284·0	..	..	+1·4	291·3	116	+ 21
618	Galveston	29 18	94 50	16·5	1014·6	1016·6	+ 0·9	303·7	306·9	12th	299·3	295·8	20th	301·5	−0·3	*301·0*	12	− 84
618a	New Orleans	29 58	90 4	16·2	..	1016·6	+ 0·6	305·6	309·7	10th	296·7	293·0	18th	301·1	−0·2	*300·2*	212	+ 40
619	Merida, Yuc	20 58	89 41	22	1012·8	1015·3	..	..	305·6	5th	..	295·2	29th	..	..	‡*299·5*	165	..
620	Havana	23 8	82 21	24·3	..	1017·5	+ 1·1	303·4	305·4	27th	296·9	295·2	1st	300·1	+0·1	*300·0*	74	− 50
620a	Key West	24 33	81 48	6·7	1016·7	1017·3	+ 0·5	304·2	305·8	30th	298·9	296·3	10th	301·6	−0·5	*301·2*	20	− 66
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·8	+ 0·8	303·2	305·2	29th, 30th	298·0	294·7	20th	300·6	0·0	*300·7*	70	− 77
622	Watling Island	24 6	74 26	33·5	1014·7	1018·5	+ 1·4	..	303·0	24th	..	299·7	1, 7, 11	..	..	*301·4*	..	..
633	Izaña	28 19	16 30	2367	774·4	..	..	296·6	300·9	6th	287·5	284·0	2nd	292·1	..	*291·2*	0	− 3
634	La Laguna	28 28	16 20	547	954·3	1016·3	− 2·3	301·2	312·9	21st	289·3	285·3	5th	295·2	+1·8	*294·4*	1	..
637	Insalah	27 8	W 2 27	?280	..	..	..	317·3	320·3	7th	299·7	295·3	30th	308·5	−1·9	*307·7*	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	992·9	1004·1	− 2·1	314·6	319·3	23rd	298·7	296·5	4th	306·7	+0·1	*305·9*	..	..
644	Tor	28 14	33 37	1·9	1003·0	1003·2	− 1·7	305·1	308·0	24th	297·5	293·9	6th	301·3	−0·3	*300·3*	..	..
647	Bushire	28 59	50 53	4·3	996·2	996·7	− 0·6	309·9	315·6	14th	302·8	300·2	5th	306·4	+1·3	*305·7*	0	0
648	Jask	25 44	57 47	4·0	996·8	997·3	− 1·1	309·6	314·3	13th	301·4	298·7	20th	305·5	−0·2	*304·8*	0	0
649	Robat	29 45	60 55	?	898·9	..	..	313·7	318·7	28th	297·1	292·4	2nd	305·4	..	..	0	..
649a	Karachi	24 53	66 57	4·0	998·0	998·6	− 0·5	304·3	306·6	2nd	300·4	298·9	19th	302·3	+0·3	*301·6*	1	− 78
650	Hyderabad, Sind	25 24	68 18	29·3	993·1	996·3	− 1·2	310·8	315·3	4th	301·1	299·9	14th	305·9	+0·7	*305·2*	0	− 74
650a	Jacobabad	28 17	68 29	56·7	988·9	995·0	− 1·3	316·3	321·1	10th	302·9	297·7	13th	309·6	+0·8	*309·0*	13	− 12
651	Jaipur	26 56	75 52	436	951·1	998·7	− 0·8	304·8	309·6	15th	297·8	295·9	2nd	301·3	−1·8	*300·4*	332	+ 133
652	Nagpur	21 8	79 5	310	966·6	1001·0	− 0·5	303·7	306·7	13th	297·0	295·8	5th, 24th	300·3	−0·2	*299·7*	182	− 183
653	Allahabad	25 25	81 51	94·1	987·8	997·9	− 1·0	305·7	309·2	23rd	299·4	298·0	3rd	302·5	−0·5	*301·9*	264	− 34
653a	Darjiling	27 3	88 18	2266	771·4	..	− 1·3	292·8	294·8	17th	288·2	287·3	4th, 29th	290·5	+0·8	*290·3*	824	+ 2
654	Calcutta	22 36	88 23	6·4	998·3	999·1	− 1·2	304·3	306·4	9th	299·2	297·5	3, 5, 6	301·8	+0·2	*301·6*	309	− 19
655	Gauhati	26 8	91 41	59·7	994·5	1001·1	− 0·9	305·0	307·2	28th	298·8	297·8	3rd	301·9	−0·1	*301·3*	640	+ 353
655m	Cherrapunji	25 15	91 42	1314	861·8	..	− 0·7	294·7	296·7	19th, 22nd	291·3	290·3	4th, 17th	293·0	−0·4	*292·5*	2304	− 350
655a	Akyab	20 11	92 56	6·1	1001·9	1002·6	− 1·3	..	..	..	296·8	295·4	30th	..	..	‡*298·9*	1790	+ 450
656	Mandalay	21 59	96 0	76·2	994·9	1003·5	− 0·8	308·2	311·7	9th	299·1	296·6	16th	303·7	+0·4	*303·1*	53	− 90
656a	Tengyueh	24 59	98 35	1633	828·0	..	..	295·8	299·7	16th	290·2	289·1	4, 11, 26	293·0	..	*292·5*	307	..
657	Phu Lien	20 48	106 37	116	988·1	1001·2	− 1·5	304·3	308·6	7th	298·2	295·6	10th	301·3	−0·5	300·8	109	− 155
658	Moncay	21 31	107 51	9	1000·6	1001·6	− 0·8	303·6	306·8	12th, 13th	297·5	295·3	20th	300·5	−1·0	*299·8*	1002	+ 440
659	Hong Kong	22 18	114 10	33·2	..	1003·4	− 1·5	302·7	305·7	13th	298·4	296·2	15th, 24th	300·5	−0·5	300·3	764	+ 424
660	Amoy	24 27	118 4	ca.3	1003·2	1003·5	− 1·9	303·1	308·0	12th	298·8	296·3	25th	301·0	−1·0	*300·8*	366	+ 303
661	Taihoku, Formosa	25 2	121 31	9·3	1003·8	1004·8	− 0·8	305·1	308·7	7th	296·5	294·7	30th	300·8	−0·8	300·2	343	+ 118
661a	Santo Domingo	20 28	121 59	18·7	..	1003·9	− 1·3	303·3	305·8	2nd	297·5	295·5	1st	300·4	−0·9	*300·3*	646	+ 304
662	Naha	26 13	127 41	10·5	1006·7	1007·9	+ 0·2	304·9	307·4	6th	297·6	295·3	2nd	301·2	0·0	301·0	155	− 20
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1011·5	1011·9	+ 0·7	304·2	305·9	7th	296·6	293·7	18th	300·4	−0·2	299·9	37	− 77
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

JULY—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
715	Colima	19 14	103 47	507	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 12	1939	809·4	..	..	..	300·2	12th	..	279·0	28th	..	..	*290·0*	210	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·6	1012·0	− 0·2	294·9	297·7	12th	284·3	281·7	12th, 28th	289·6	−0·5	288·2	155	+ 27
718	Oaxaca	17 3	96 45	1563	847·3	..	+ 0·1	..	302·6	11th	..	284·6	9th	..	..	*291·2*	204	+ 95
718a	Salina Cruz	16 12	95 12	56·3	1006·0	1012·4	..	302·4	305·1	3rd	296·1	293·8	13th	299·2	..	*298·8*	589	..
719	San Salvador	13 42	89 12	‡665	937·9	1012·4	+ 1·3	305·9	308·4	6th	291·2	289·0	20th	298·5	−0·7	*295·9*	388	+ 86
720	Belize	17 29	88 12	5·2	1012·8	1013·5	+ 0·8	304·3	305·8	9th	297·1	294·9	13th, 22nd	300·7	+0·2	*300·2*	173	− 80
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·0	+ 0·6	304·3	306·1	13th	295·7	293·6	26th	300·0	+0·2	*299·2*	151	+ 1
722	Port au Prince	18 34	72 22	37·4	1011·0	1015·3	+ 0·3	305·7	308·2	20th	295·6	293·5	3rd	300·6	−1·2	300·2	120	+ 58
723	Caracas	10 30	66 55	‡1010	901·5	..	− 0·1	297·0	298·2	7th	288·1	285·3	24th	292·6	−1·8	*291·4*	155	+ 42
724	Montserrat	16 41	62 9	39·6	1010·8	1015·3	− 0·5	303·2	304·7	30th	296·8	294·1	24th	300·0	..	*299·6*	212	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	994·8	1012·7	− 0·4	301·4	303·0	22nd, 23rd	296·0	294·1	1, 3, 19	298·7	−0·4	*298·0*	453	+ 204
725	Barbados	13 8	59 36	55·2	..	1013·8	− 0·8	302·7	303·5	31st	296·2	294·7	7th	299·4	0·0	*299·4*	303	+ 161
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·3	1013·5	− 0·6	299·2	302·0	24th, 26th	293·7	293·0	1st, 12th	296·4	−1·1	*297·2*	0	− 6
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·7	1014·3	− 0·1	301·3	303·4	15th	296·7	295·6	6th	299·0	+0·3	*299·0*	0	− 10
733	Bathurst	13 24	16 36	1·5	..	1013·2	+ 0·4	303·0	305·2	12th	..	..	..	..	−1·0	*300·8*	178	− 106
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	309·5	311·3	sev. dates	290·1	288·6	sev. dates	299·8	−0·3	..	317	+ 121
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	307·3	313·0	1st	295·7	292·4	3rd	301·5	+1·1	*300·8*	135	− 28
738	Kaduna Capital	10 32	7 25	637	944·5	1016·2	+ 0·4	301·0	303·6	12, 13, 22	292·1	290·2	17th	296·5	−0·3	*295·9*	269	+ 37
739	Katagum	12 17	10 22	30·7	..	..	..	307·3	311·9	1st	295·4	293·0	12th, 27th	301·4	+0·5	*300·7*	111	− 20
740	Maiduguri	11 47	13 11	361	..	..	..	308·6	313·0	8th	295·9	292·4	21st	302·3	+0·7	*301·7*	155	− 8
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	78	..
743	El Obeid	13 11	30 14	569	945·1	1007·9	− 1·3	309·0	312·0	16th	294·1	288·8	29th	301·5	+0·8	*300·9*	102	+ 10
743a	Khartoum	15 37	32 33	390	962·3	1005·1	− 2·2	313·4	315·3	10th, 17th	299·8	293·9	1st	306·6	+1·0	*306·3*	0	− 40
744	Port Sudan	19 37	37 13	5·9	1001·6	1002·2	− 2·2	312·3	319·5	24th	300·0	292·9	5th	306·1	−0·4	*306·0*	0	− 10
745	Berbera, Somaliland	10 22	45 2	9·2	1003·4	1004·3	− 0·4	315·6	317·4	4, 10, 27	304·5	303·0	1st, 7th	310·1	−0·2	*309·2*	6	+ 4
746	Aden	12 45	45 3	28·7	999·0	1002·1	− 1·8	307·3	309·4	19th	301·4	300·5	31st	304·4	+0·3	*304·3*	0	− 1
751	Bombay	18 54	72 49	11·3	1003·3	1004·5	− 0·1	302·8	304·1	13th	299·0	297·6	22nd	300·9	+0·7	*300·1*	337	− 303
751a	Cochin	10 58	76 21	2·7	1008·7	1009·0	− 1·2	302·5	304·4	8th	297·2	295·4	26th	299·8	+0·8	*299·0*	301	− 280
752	Kodaikanal	10 14	77 28	2343	768·5	..	− 0·3	291·1	292·9	3rd	284·3	283·1	20th	287·7	+0·4	*287·7*	84	− 43
752a	Bangalore	12 59	77 38	920	906·7	1006·9	− 0·5	302·1	305·1	14th	292·1	291·2	10th, 18th	297·1	+0·8	*296·1*	41	− 65
753	Madras	13 4	80 14	6·7	1004·5	1005·2	− 0·9	308·2	310·8	9th	299·0	296·1	5th	303·6	−0·2	*302·7*	112	+ 8
754	Waltair	17 45	83 16	68·9	993·8	1001·5	− 0·5	305·3	309·6	8th	298·7	296·3	26th	302·0	+0·3	*301·2*	143	+ 41
755	Port Blair	11 40	92 40	17·7	1004·8	1006·9	− 0·7	302·2	303·7	5th, 13th	298·0	296·3	21st	300·1	−0·4	*299·3*	395	− 4
756	Rangoon	16 46	95 48	5·5	1005·3	1006·1	− 0·6	302·7	305·8	6th	297·1	295·7	21st, 22nd	299·9	−0·1	*298·9*	425	− 106
757	Saigon	10 47	106 42	11·2	1005·1	1006·3	− 0·9	304·4	305·9	30th	296·6	294·4	26th, 27th	300·5	−0·1	*300·0*	288	+ 13
758	Nhatrang	12 15	109 12	3·6	1003·8	1004·2	− 0·8	306·0	309·2	16th	297·4	295·6	4th	301·7	+0·1	*301·1*	48	− 5
759	Bolinao	16 24	119 53	9·7	..	1004·2	− 1·3	303·2	305·9	2nd	296·3	295·0	15, 16, 31	299·7	−1·3	*298·6*	740	+ 85
761	Vigan	17 34	120 23	12·2	..	1005·3	− 0·8	303·1	305·8	2nd	296·3	294·9	14th	299·7	−0·7	299·4	1063	+ 403
761a	Manila	14 35	120 59	14·2	..	1006·7	− 0·5	303·6	305·7	14th	296·2	295·3	14th, 25th	299·9	−0·9	299·1	606	+ 207
762	Ormoc	11 0	124 36	5·6	..	1007·6	− 0·2	304·6	305·9	14th	296·0	294·4	30th	300·3	+0·2	299·7	437	+ 149
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1008·3	+ 0·7	302·7	304·2	14th, 17th	297·0	296·0	9th, 18th	299·9	−0·4	*300·1*	347	− 31
		N.	E.															

JULY—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	303·4	305·5	16th	296·9	294·3	24th	300·2	−0·5	*299·4*	324	+ 109
821	Colon	9 23	79 23	11·0	..	1011·3	+ 0·8	301·6	303·6	21st	296·6	294·7	22nd	299·1	−0·5	*298·7*	345	− 62
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	39	− 1
822a	Merida, Venez.	8 36	71 9	1641	‡842·4	..	..	296·8	299·0	15th, 16th	288·1	286·2	30th	292·4	..	*291·3*	157	..
824	El Peru, Guayanavieja	7 30	62 0	220	985·9	1011·0	− 1·1	302·1	303·5	27th	294·5	293·1	3rd	298·3	0·0	*297·8*	408	+ 230
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·4	+ 0·7	302·2	304·7	17th	296·2	294·7	7th, 15th	299·2	−0·4	*298·7*	243	− 8
826	Paramaribo	5 49	55 9	3·7	..	..	..	302·9	304·8	22nd	‡293·3	‡291·2	7th	‡298·1	−0·1	*298·5*	310	+ 105
826a	Cayenne	4 56	52 21	6	..	..	..	305·1	306·0	6th	294·8	293·8	10th	299·9	0·0	*299·3*	118	− 58
833	Conakry	9 31	13 43	16	1010·9	1012·7	− 1·2	302·4	304·4	3rd	296·3	294·6	22nd, 24th	299·4	+0·8	*299·0*	659	− 765
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·1	1012·0	− 1·3	302·9	304·7	5th, 31st	295·5	294·1	6th	299·2	+0·1	*298·3*	629	− 244
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	472	+ 417
836	Accra	5 33	W 0 12	25·7	..	..	..	303·5	..	..	295·7	..	..	299·6	+1·8	*299·1*	226	+ 190
837	Lagos	6 27	E 3 24	1·8	1013·6	1013·8	− 1·4	302·2	303·8	..	295·7	293·6	..	298·9	+0·7	*298·5*	746	+ 477
838	Zungeru	9 48	6 10	130	..	..	..	304·2	306·9	8th, 12th	294·8	292·4	18th	299·5	+0·5	*299·0*	174	− 21
838a	Libreville	0 23	9 26	35	..	..	..	302·3	304·6	22nd	294·9	293·9	1st	298·6	+1·4	*298·1*	0	− 2
839	Yola	9 12	12 30	259	..	..	..	304·3	308·6	13th	295·3	290·2	6th	299·8	+0·8	*299·3*	107	− 54
841	Wau	7 42	28 3	440	960·1	1009·7	− 0·6	304·6	307·0	12th, 16th	293·7	292·5	sev. dates	299·1	−0·1	*297·9*	80	− 105
843	Mongalla	5 11	31 47	439	960·9	1010·4	− 0·2	..	..	..	293·8	292·0	5th	..	+0·2	*297·6*	94	− 38
843a	Malakal (Kodok)	9 35	31 37	394	965·9	1010·6	− 0·7	303·9	307·4	15th	292·6	289·5	22nd	298·3	..	?*297·0*	122	− 24
844	Entebbe	0 5	32 29	1171	885·1	..	0·0	299·9	302·2	23rd	290·5	289·4	19th, 20th	295·2	+1·6	*294·6*	1	− 75
845	Harrar	9 42	42 30	1856	..	..	..	297·1	..	..	286·7	..	..	291·9	0·0	..	95	− 34
851	Minicoy	8 17	72 49	2·1	1009·8	1010·0	− 0·2	..	..	..	..	..	..	..	..	..	184	− 19
852	Colombo Observatory	6 54	79 53	7·3	1007·2	1008·0	− 0·1	303·2	303·9	3rd	298·2	296·4	7th	300·7	+0·3	*299·9*	43	− 87
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	292·1	295·7	6th	285·7	282·4	4th	288·9	+1·0	*288·2*	211	− 92
854	Trincomalee	8 34	81 14	30·2	1001·8	1005·2	− 0·4	307·3	308·8	31st	298·1	295·1	2nd	302·7	+0·1	*301·9*	61	+ 6
855	Kota Radja	5 32	95 20	7·1	..	1008·1	− 1·8	..	..	..	..	..	..	..	..	..	185	+ 74
856	Medan	3 35	98 41	25·0	..	1008·0	− 1·7	304·9	307·3	21st	293·7	291·9	5th	299·3	..	298·3	166	+ 32
857	Penang	5 34	100 20	5·0	1007·1	1007·6	− 2·1	304·7	306·3	18th	297·2	294·1	1st, 26th	300·9	+0·4	*300·4*	219	+ 7
858	Singapore	1 17	103 51	3	1007·9	1008·2	− 1·0	304·1	306·1	21st	296·8	295·5	28th	300·4	0·0	*299·9*	56	− 116
859	Sandakan	5 50	118 7	31·7	..	..	..	305·4	307·4	13th	296·3	295·2	2nd	300·9	+0·2	*300·3*	133	− 33
860	Iwahig	9 44	118 38	4·3	..	1006·1	− 0·7	305·0	306·5	11, 12, 13	295·0	293·6	24th	300·0	..	*298·6*	343	..
861	Tagbilaran	9 38	123 51	21·3	..	?1007·9	+ 0·1	?304·6	?306·4	27th	?296·6	?295·0	19th	?300·6	−0·4	?300·0	..	..
861a	Menado	1 30	124 50	8·5	..	1008·4	− 0·1	302·9	304·5	12th	295·7	293·5	2nd	299·3	..	298·7	159	+ 34
862	Surigao	9 48	125 29	6	..	1007·3	− 0·3	303·9	306·0	10th	296·6	295·3	23rd	300·3	−0·7	299·7	120	− 26
863	Yap	9 29	138 8	31·9	..	1007·5	+ 0·4	304·6	306·3	18th	296·9	295·0	6th	300·7	+0·1	*300·1*	352	− 71
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

JULY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Precipitation. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1011·0	1011·9	+ 1·3	304·4	305·2	7th, 25th	296·7	295·2	24th	300·6	−0·6	*299·7*	27	− 22
924	Manaos	3 8	60 1	43·8	..	..	..	304·8	307·0	23rd	296·2	294·8	13th	300·5	−0·7	*299·5*	98	+ 60
926	Taperinha	2 30	54 42	20·0	1010·4	1012·7	..	303·9	305·8	29th	294·1	292·8	3rd	299·0	..	*297·5*	40	+ 38
927	Turyassu	1 43	45 27	15·1	1010·9	1012·6	− 0·4	304·9	306·0	29th	294·3	292·4	1st	299·6	−0·2	*298·1*	170	+ 8
928	Barra do Corda	5 31	45 16	81·0	1002·7	1012·2	− 0·6	304·9	306·4	sev. dates	289·4	287·0	18th, 28th	297·1	−1·4	*295·9*	0	+ 4
929	Quixeramobim	5 16	39 15	207	990·5	1014·2	− 0·3	303·0	305·6	29th	294·7	292·6	11th	298·9	−1·2	*298·2*	24	+ 5
930	Fernando Noronha	3 50	W32 55	106	1001·8	1014·1	− 1·1	298·9	299·7	29th	295·8	294·2	7th	297·3	..	*296·9*	69	
939	Loanda	8 49	E 13 13	59·3	..	1014·6	− 1·0	296·0	297·5	22nd	291·9	290·0	29th, 31st	293·9	+1·0	293·8	0	0
940	Brazzaville	4 17	15 16	290	980·2	1013·6	− 1·5	300·9	304·8	22nd	289·5	287·0	30th	295·2	+0·3	*294·5*	0	− 1
943	Masaka	0 21	31 47	?1280	..	..	..	298·1	299·7	18th, 20th	287·7	286·3	6, 7, 12	292·9	+0·3	*292·4*	2	− 28
944	Nairobi	1 14	36 44	1800	..	..	..	293·6	298·0	18th	281·3	278·6	12th, 25th	287·4	−0·8	*286·7*	17	+ 3
944*a*	Zanzibar	6 10	39 11	21·9	1015·1	1017·6	− 1·5	300·7	301·8	18th	295·9	295·2	28th	298·3	+0·5	*297·4*	31	− 39
945	Lamu	2 16	40 50	3·1	..	..	..	305·8	306·3	3rd	296·9	294·7	12th	301·3	+2·1	*300·7*	74	− 0
947	Seychelles, Port Office	4 37	55 27	4·6	1010·7	1011·3	− 1·2	300·1	300·7	2nd, 4th	297·8	296·1	7th	298·9	+0·3	*298·4*	93	+ 28
957	Padang	0 56	100 22	6·7	..	1009·7	− 1·6	303·6	305·9	15th	295·9	294·7	21st	299·7	..	299·1	188	−105
958	Batavia	6 11	106 50	8·0	1008·5	1009·4	− 0·9	303·7	304·8	28th	296·4	295·0	12th, 14th	300·0	+0·8	299·7	114	+ 48
958*a*	Pontianak	0 1	109 20	2·6	..	1008·9	− 1·2	304·5	306·7	20th	296·5	295·0	28th	300·5	..	299·5	109	− 54
959	Passercean	7 38	112 55	5·0	..	1009·8	− 1·1	303·2	305·2	6th	294·4	292·1	31st	298·8	+0·4	299·1	0	− 32
960	Kajoemas	7 56	114 9	1060	..	..	..	297·3	298·4	25th	290·3	288·9	31st	293·8	..	293·1	1	− 39
962	Ambon	3 42	128 10	4·2	..	1009·8	− 0·8	300·1	302·5	10th	296·1	294·2	21st	298·1	+0·2	297·7	1088	+499
963	Manokwari	0 52	134 20	19·0	..	1008·1	− 0·7	301·9	303·4	11th	296·1	294·5	6th	299·0	..	298·8	102	− 60
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1010·2	− 1·3	301·6	..	..	296·0	..	..	298·8	0·0	*298·4*	15	− 14
967																		
968	Rendova	8 30	157 12	1·8	1010·0	1010·2	− 0·2	..	..	..	..	..	..	..	..	..	296	− 25
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·5	1010·7	+ 0·6	303·1	305·1	14th, 26th	297·7	295·7	4th	300·4	+0·4	*300·2*	48	−119
970	Ocean Island	0 52 S.	169 35 E.	25·6	1004·7	1007·6	− 0·1	303·8	304·7	sev. dates	297·8	296·3	23rd	300·8	0·0	*300·2*	40	−104

JULY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Precipitation. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1014·2	+ 2·5	301·8	302·9	17th	295·5	292·8	12th	298·7	+0·5	298·3	134	− 64
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·2	302·4	9, 23, 30	293·4	291·3	9th	297·3	..	*297·1*	155	+104
1007	Makatea	15 47	148 14	47	..	..	..	301·6	303·8	22nd, 23rd	294·7	290·6	30th	298·1	+0·5	*297·6*	0	− 58
1021	Arequipa	16 22	71 33	2451	762·0	..	+ 0·3	291·9	294·1	24th	280·8	277·9	7th	286·4	−0·5	*285·4*	0	− 2
1022	Puerto de Arica	18 28	70 20	5	..	..	..	291·0	292·2	sev. dates	284·0	283·0	sev. dates	287·5	+0·8	*289·8*	0	0
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	731·2	..	..	287·7	292·0	4th	276·7	271·4	12th	282·2	..	*282·5*	9	+ 5
1025	Corumba	19 0	57 39	155	1000·8	1019·1	..	308·7	311·0	sev. dates	..	..	..	..	..	‡*292·6*	2	− 4
1026	Cuyaba	15 36	56 6	165	995·3	1014·4	+ 0·9	301·0	305·8	8th	291·4	287·0	14th	296·2	−1·2	*296·2*	0	− 6
1027	Bello Horizonte	19 55	43 55	857	922·0	1019·3	− 0·3	296·6	300·8	29th	282·3	276·4	18th	289·5	−0·2	*289·5*	0	− 8
1028	Caetite	14 2	42 39	900	918·3	1019·4	+ 0·1	297·7	301·2	8th, 10th	287·5	284·4	16th	292·6	+0·3	*293·0*	2	− 7
1029	Ondina (Bahia)	13 0	38 30	46·6	1011·6	1017·0	− 0·9	299·2	301·9	8th	293·5	291·6	17th	296·3	−0·8	*295·7*	186	− 7
1030	Aracaju	10 55	37 3	4·0	1016·8	1017·3	− 0·3	300·2	301·6	11th	294·2	292·4	19th	297·2	−0·5	*297·1*	103	+ 35
1035	St. Helena	15 57	W 5 40	632	947·9	1020·2	+ 0·3	292·2	295·8	7th, 14th	285·4	283·6	29th	288·8	+0·8	*288·6*	134	− 1
1042	Gwelo	19 27	E 29 49	1417	863·3	..	− 2·8	296·5	301·3	16th, 29th	278·2	273·0	18th	287·4	+1·3	..	0	− 7
1043	Salisbury, Rhodesia	17 48	31 5	1457	859·1	..	− 2·4	296·4	300·8	15th, 16th	278·3	274·1	18th	287·3	−0·1	..	1	+ 4
1044	Zomba	15 23	35 18	‡945	910·9	1017·3	− 2·1	297·1	301·3	15th, 16th	284·7	282·4	sev. dates	290·9	+1·3	*290·4*	1	..
1045	Tananarivo	18 55	47 32	1400	867·1	..	− 1·4	294·0	297·1	3rd	282·7	279·3	19th, 20th	288·4	+1·2	*287·3*	10	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·7	1011·3	− 1·1	300·2	301·9	21, 23, 26	296·8	293·8	20th	298·5	−0·4	*298·2*	559	+297
1056																		
1057	Christmas Island	10 25	105 43	5·5	1007·7	1008·3	− 1·3	302·8	303·6	..	296·4	294·1	..	299·6	+0·1	*298·9*	50	− 87
1058																		
1061	Koepang	10 10	123 34	45·1	..	1011·0	− 0·9	303·7	306·1	30th	293·8	291·7	17th	298·7	..	298·3	0	− 5
1061*a*	Derby	17 18	123 40	16·2	1012·1	1014·1	− 1·1	302·9	306·4	12th	288·8	284·7	1st	295·9	+0·8	..	1	− 4
1062	Hall's Creek	18 13	127 46	374	972·4	1014·3	− 2·3	303·3	306·9	31st	283·3	277·7	21st	293·3	+2·2	*292·6*	0	− 5
1063	Port Darwin	12 28	130 51	29·6	1007·7	1011·0	− 1·5	304·9	306·9	28th	294·3	292·6	28th	299·6	+1·3	*298·4*	0	− 3
1064	Daly Waters	16 16	133 23	211	987·8	1011·5	− 3·3	304·9	307·4	18th, 30th	286·8	281·3	7th	295·9	+2·4	*293·2*	0	− 5
1065	Mein	13 13	142 47	122	997·3	1011·3	− 0·8	302·8	307·2	20th	291·3	285·8	17th	297·1	+0·7	*296·3*	0	− 7
1066	Georgetown, Queensland	18 22	143 32	302	?980·6	?1014·6	− 1·1	302·2	305·5	28th	285·0	279·4	27th	293·6	+0·5	..	0	− 8
1067	Samarai	10 37	150 40	15·2	..	..	..	300·2	..	..	296·6	..	..	298·4	+0·1	*298·2*	341	+ 64
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	1013·8	1015·8	+ 0·2	299·4	301·4	15th	293·5	291·0	9th	296·5	+0·4	*296·3*	179	mm.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a	mm.	

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

JULY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Precipitation. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	299·3	300·8	25th, 26th	293·1	288·6	30th	296·2	+1·9	*296·0*	56	− 22
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·9	1019·2	+ 1·8	287·9	290·5	8th	282·1	280·0	10th	285·0	0·0	*284·8*	12	− 22
1122	Iquique	20 12	70 11	9	1016·3	1017·4	+ 1·2	293·5	295·4	1st	284·2	281·6	27th, 28th	288·9	+0·3	*289·5*	0	− 1
1123	Catamarca	28 27	65 47	529	..	1019·1	+ 3·5	292·0	298·5	18th	276·6	272·0	10th	284·3	−1·5	283·9	0	− 2
1124	Salta	24 46	65 28	1178	885·5	1018·2	+ 2·8	289·8	298·0	18th	275·8	269·5	29th	282·8	−1·1	283·5	2	+ 1
1125	Goya	29 9	59 15	26	..	1020·4	+ 3·6	292·4	298·9	17th	280·3	274·2	10th	286·3	−1·3	286·0	53	+ 7
1126	Asuncion	25 21	57 37	95	‡1010·0	‡1021·4	+ 3·4	293·8	300·2	18th	283·6	274·8	12th	288·7	−3·6	288·3	45	− 12
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1012·6	1019·9	− 0·1	294·8	302·9	..	289·7	286·8	..	292·3	−1·3	291·9	53	+ 8
1139	Windhoek	22 34	E 17 6	1665	..	..	..	290·6	296·0	30th	277·8	273·2	20th	284·2	−1·9	*284·0*	0	− 1
1140																		
1141	Kimberley	28 42	24 47	1202	885·6	..	− 2·8	289·6	296·3	12th	273·9	268·7	3rd	281·7	−1·5	281·1	1	− 8
1142	Johannesburg	26 11	28 4	1806	824·4	..	− 4·1	286·7	290·9	11th	276·1	271·4	3rd	281·4	−1·9	*280·9*	21	+ 15
1142*a*	Pretoria	25 45	28 12	1338	873·2	..	− 1·9	290·2	294·1	13th	275·4	271·0	4th	282·8	−1·3	*282·3*	3	− 4
1143	Durban	29 52	31 3	15·2	1019·1	1020·9	− 3·5	294·1	302·3	1st	285·2	281·1	3rd	289·6	−0·3	*289·1*	387	+363
1144	Lorenzo Marques	25 58	32 36	59	..	1019·2	− 3·3	296·5	303·5	26th	285·3	282·4	4th, 10th	290·9	−0·5	290·6	9	− 4
1147	Mauritius	20 6	57 33	55·2	1012·0	1018·6	− 1·8	297·1	298·6	19th	290·6	287·7	31st	293·9	+0·5	293·4	58	− 5
1159	Onslow	21 43	114 57	4·3	1013·5	1014·4	− 2·0	298·9	305·2	31st	287·0	280·3	20th	292·9	+2·0	..	19	− 5
1160	Peak Hill	25 38	118 47	588	947·0	1014·1	− 3·9	293·4	300·9	26th	282·2	277·8	19th	287·8	+1·7	..	4	− 14
1161	Nullagine	21 53	120 5	386	971·0	1014·7	− 3·0	299·0	305·8	29th	283·3	276·8	12th	291·2	+2·6	..	19	+ 5
1162	Laverton	28 40	122 23	466	962·1	1016·2	− 4·1	290·3	298·0	23rd	280·2	275·4	15th	285·2	+0·8	*285·1*	39	+ 22
1163	Alice Springs	23 38	133 37	587	949·1	1015·9	− 3·9	295·7	303·0	27th	280·1	273·8	22nd	287·9	+3·4	*287·6*	13	+ 2
1164	William Creek	28 55	136 21	76·2	1007·7	1016·9	− 3·7	292·2	298·0	1st, 8th	279·8	275·2	13th	286·0	+1·7	*285·7*	19	+ 12
1164*a*	Boulia	22 55	139 38	146	998·7	1015·7	− 1·8	298·4	304·6	27th	280·6	276·8	14th	289·5	+2·1	*289·2*	3	− 5
1165	Thargomindah	27 58	143 43	123	1002·0	1016·6	..	292·6	299·1	2nd	280·0	276·1	6th	286·3	..	*286·0*	7	− 3
1166	Mitchell	26 32	147 52	336	..	..	..	294·1	299·1	25, 26, 27	275·4	268·0	6th	284·7	+0·9	..	7	− 28
1167	Rockhampton	23 24	150 30	11·3	1015·2	1016·5	− 1·9	297·9	302·4	18th	282·7	277·4	6th	290·3	+0·8	*289·3*	10	− 25
1168	Brisbane	27 28	153 2	11·6	1014·8	1016·2	− 2·2	295·1	299·9	26th	282·1	276·1	7th	288·6	+0·9	*287·3*	14	− 45
1169	Quitchambo	21 52	166 3	38	1011·4	1015·9	..	298·8	303·7	21st	285·0	281·5	12th	291·9	..	..	184	+101
1170	Norfolk Island	29 5 S.	167 53 E.	15·2	1013·7	1015·2	− 1·7	291·9	294·1	4th	287·0	283·6	3rd	289·5	+0·4	*289·1*	104	− 49

JULY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Precipitation. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	288·4	293·0	10th	283·1	281·0	4th	285·7	+0·4	*286·0*	98	− 55
1221*a*	Punta Tumbes	36 37	73 6	91	†1009·1	‡1020·3	+ 2·9	286·7	289·0	10th	279·8	276·5	4th	283·3	−0·1	*283·4*	18	− 66
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1014·7	1019·7	+ 1·7	288·6	293·0	12th	280·2	278·0	22nd	284·4	−1·0	*284·9*	9	− 98
1222*a*	Santiago	33 27	70 42	520	958·3	1020·3	+ 1·9	288·6	295·9	13th, 15th	275·1	272·3	3rd	281·9	−0·1	*280·7*	3	− 84
1223	Cordoba	31 25	64 12	423	969·6	1020·2	+ 3·2	289·9	298·5	..	275·8	269·0	..	282·9	−1·0	282·2	11	+ 3
1224	Bahia Blanca	38 45	62 15	25	..	1020·4	+ 5·0	286·0	291·5	13th	276·1	270·0	6th	281·1	−0·5	280·7	2	− 25
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1021·2	+ 2·6	285·3	291·2	15th	277·6	271·6	7th	281·5	−1·6	281·5	49	− 7
1226	Montevideo (Prado)	34 52	56 12	24·9	1018·2	1021·2	+ 3·0	286·5	293·6	15th	278·0	271·4	7th	282·2	−0·9	282·3	39	− 25
1226*a*	Porto Alegre	30 2	W51 13	23·5	1018·9	1021·8	+ 2·0	290·6	300·0	26th	279·7	271·5	11th	285·1	−2·0	284·6	14	− 81
1239	Cape Town	33 56	E 18 29	12·2	..	1018·9	− 2·6	289·9	296·6	7th	282·9	278·1	27th	286·4	+0·7	*285·1*	219	+129
1240	Danger Point	34 37	19 18	19·5	..	..	..	288·7	294·1	7th, 8th	283·2	278·6	28th	285·9	..	..	117	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	291·4	299·7	9th	277·6	273·0	29th	284·5	..	..	60	+ 35
1242	East London	33 2	27 53	9·8	1017·6	1018·8	− 2·2	293·4	300·8	25th	282·8	280·2	7, 8, 30	288·1	0·0	..	132	+107
1259	Perth (Observatory)	31 57	115 51	60·0	1006·4	1013·9	− 5·1	289·7	292·7	22nd	282·7	275·2	28th	286·2	+0·3	*286·3*	287	+121
1260	Katanning	33 42	117 35	310	975·4	1012·2	− 5·8	286·8	291·6	22nd	279·3	273·6	28th	283·1	+0·3	..	120	+ 42
1261	Coolgardie	30 57	121 10	423	965·0	1014·6	− 5·0	288·8	294·9	22nd	279·2	273·8	18th	284·0	+0·3	*283·9*	19	− 4
1262	Eucla	31 43	128 58	4·6	1012·9	1013·5	− 6·0	292·1	302·3	24th	281·3	275·2	31st	286·7	+1·3	*285·6*	19	− 4
1263	Streaky Bay	32 48	134 13	13·1	1014·2	1015·8	− 4·1	288·9	292·6	24th	282·4	277·7	31st	285·7	+1·1	*285·5*	86	+ 26
1264	Adelaide	34 56	138 35	42·7	1008·7	1013·9	− 6·5	288·4	293·0	24th	281·7	277·3	13th	285·0	+1·1	*284·9*	104	+ 37
1265	Melbourne	37 49	144 58	35·1	1006·5	1010·7	− 8·4	286·5	290·2	1st, 25th	280·0	274·9	31st	283·2	+1·0	282·7	36	− 10
1266	Bourke	30 13	145 58	110	1005·8	1019·0	− 1·6	290·9	297·4	2nd	278·0	273·6	29th	284·5	+0·4	..	20	− 3
1267	Sydney	33 52	151 12	44·5	1007·1	1012·5	− 5·9	288·7	293·6	9th	281·7	278·4	6th	285·2	+0·8	*284·7*	11	−115
1268	Lord Howe Island	31 32	159 4	4·6	1012·1	1012·6	..	291·7	293·6	2nd	286·4	283·8	30th	289·1	..	..	116	− 86
1271	Auckland	36 50	174 50	38·1	..	1008·4	..	287·7	290·2	10th	282·7	279·1	25th	285·2	+1·2	..	244	+113
1272	Napier	39 32 S.	176 53 E.	21·3	..	1007·4	− 4·4	288·1	291·1	5th	280·3	275·2	14th	284·2	+1·8	..	50	− 43

JULY—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Precipitation. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	208	+ 101
1321	Isla Huafo	43 34	74 45	140	1000·4	1017·5	+ 2·9	283·1	286·5	17th	279·6	274·8	7th	281·3	+0·6	*281·6*	78	− 41
1322	Punta Galera	40 1	73 44	40	1015·1	1020·0	+ 4·8	284·5	286·9	19th	279·9	275·4	2nd	282·2	+0·3	*282·4*	219	−110
1323	Sarmiento	45 30	69 0	274	..	1013·1	..	283·1	288·6	28th	276·1	270·6	16th	279·6	+3·3	279·3	5	− 21
1324	Puerto Madryn	42 49	W64 58	14	..	1016·8	..	286·7	293·7	13th	275·9	270·8	9th	281·3	+1·2	281·0	1	− 12
1365	Launceston	41 27	E147 10	9·4	1002·6	1003·8	−10·7	285·3	290·3	26th	277·3	271·9	6th	281·3	+1·3	*280·9*	138	+ 61
1366	Hobart	42 53	147 22	53·9	995·4	1002·0	−11·8	284·5	289·6	24th	278·3	273·4	6th	281·4	+1·0	*281·0*	70	+ 16
1370	Invercargill	46 25	168 21	5·5	..	..	..	283·3	286·9	4th, 19th	274·4	270·8	20th	278·8	+0·7	..	51	− 36
1371	Dunedin	45 52	170 31	91·4	..	1000·6	−10·5	283·3	289·1	3rd	277·8	274·1	23rd, 24th	280·6	+2·3	..	105	+ 27
1371*a*	Christchurch	43 31	172 38	7·6	..	1003·7	− 9·0	284·6	290·8	3rd	277·1	272·1	12th	280·8	+1·9	..	68	− 1
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1005·4	− 6·8	285·9	288·1	16th	280·9	274·8	13th	283·4	+1·7	..	169	+ 21
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

JULY—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	995·1	1001·9	− 0·1	279·9	281·8	28th	276·3	274·5	sev. dates	278·1	+1·1	*278·0*	44	+208
1422	Puerto de Punta Arenas	53 10	70 54	4	1000·7	1001·2	− 1·0	278·0	283·5	28th	273·0	269·2	18th	275·5	+1·8	*275·9*	35	− 0
1423	Punta Dungeness	52 24	68 26	5	1001·9	1002·5	+ 0·3	281·1	283·0	4th, 13th	274·0	273·0	sev. dates	277·5	+1·9	*277·4*	8	− 15
1424	Santa Cruz	50 11	68 21	12	..	1007·0	− 0·7	281·2	287·7	28th	273·5	267·6	18th	277·3	+2·4	277·3	2	..
1424*a*	Año Nuevo	54 39	64 9	50	992·2	998·4	− 0·7	278·1	280·6	28th	275·0	272·4	26th	276·5	+1·8	276·0	72	+ 5
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	53	..
1426	Cape Pembroke	51 41	57 42	21	..	1004·4	+ 2·0	278·9	283·0	29th	273·9	271·9	1, 2, 23	276·4	+1·3	276·9	..	
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	1000·7	1001·2	+ 3·2	274·2	281·6	20th	268·8	264·5	18th	271·5	+0·8	*271·8*	127	− 12

JULY—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	996·8	997·7	+ 3·1	270·2	276·2	29th	261·6	250·5	2nd, 4th	265·9	+5·3	266·1	40	+ 14
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JULY 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. *Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Entebbe. 844. Direction and Force.		Malden Island. 905. Direction and Force.	Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction and Force.	
	9h.	m/s	9h.	21h.	9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.	
1	SE	9·9	SE 4	SE 4	E 1	Calm 0	W 2	SW 2	E 4	SE 6	E 5	E 4	SE 3	
2	SE	9·7	ESE 5	SE 4	E 1	SE 2	W 2	SW 2	ESE 4	SE 6	E 4	SE 4	SE 1	
3	E	8·6	SE 5	SE 4	SW 2	Calm 0	W 3	SW 3	E 3	SE 8	ESE 4	ESE 4	SE 3	
4	ESE	6·1	SE 4	SE 5	E 2	SE 3	W 2	W 3	ESE 3	SE 6	ESE 6	ESE 5	SE 2	
5	ESE	2·4	SE 5	SE 5	E 1	Calm 0	SW 3	W 3	ESE 3	SE 4	ESE 5	E 4	E 2	
6	Calm	1·8	SE 4	E 4	E 1	SW 2	W 2	SW 3	ESE 3	SE 4	ESE 4	E 4	E 2	
7	Calm	2·3	E 4	SE 3	E 1	SE 1	W 3	N 2	E by S 3	SE 6	ESE 3	E 4	E 2	
8	ESE	2·8	ENE 4	SE 4	Calm 0	E 2	W 2	N 3	ESE 4	SE 8	SE 6	SE 5	E 1	
9	Calm	1·1	E 5	SE 4	Calm 0	Calm 0	N 2	N 2	SE 3	SE 6	E 5	E 3	Calm 0	
10	Calm	1·0	E 4	E 4	Calm 0	Calm 0	W 2	W 2	SE 2	SE 6	ENE 4	E 5	SE 3	
11	Calm	1·6	E 3	E 3	SE 3	E 2	W 3	SW 3	E 3	SE 6	E 6	E 5	S 3	
12	Calm	2·3	SE 5	SE 3	E 2	SE 1	SW 3	SW 2	ESE 3	SE 4	ENE 6	E 6	S 1	
13	Calm	2·1	E 5	SE 4	W 2	S 1	W 3	Calm 0	E by S 5	SE 2	ENE 7	E 4	N 0	
14	Calm	2·7	SE 5	SE 5	NE 1	E 2	Calm 0	Calm 0	ESE 3	SE 2	ENE 5	E 3	Calm 0	
15	Calm	2·3	SE 5	SE 5	W 3	SW 2	W 3	W 2	SE 5	SE 6	E 3	E 4	SE 2	
16	Calm	2·6	SE 5	SE 4	Calm 0	Calm 0	Calm 0	Calm 0	ESE 3	SE 4	E 4	E 3	SE 1	
17	SE	5·1	SE 4	SE 5	S 1	SE 2	W 3	SW 2	ESE 4	SE 6	E 4	E 5	SE 1	
18	SE	8·1	SE 5	SE 5	W 1	W 2	Calm 0	Calm 0	E by S 5	SE 4	E 5	E 5	N 1	
19	SE	7·8	SE 5	SE 4	E 3	SE 2	W 3	SW 3	ESE 3	SE 4	E 5	E 5	NW 1	
20	SE	7·2	SE 5	SE 5	E 1	W 2	Calm 0	Calm 0	E by S 5	SE 4	ESE 6	E 4	Calm 0	
21	SE	7·6	SE 5	SE 4	Calm 0	Calm 0	Calm 0	W 2	E by S 3	SE 4	ESE 4	E 3	Calm 0	
22	SE	3·4	SSE 4	SE 4	Calm 0	S 2	W 2	SW 2	SE 4	SE 4	E 2	E 1	SE 2	
23	SE	5·8	SE 2	Calm 0	W 1	Calm 0	SW 2	Calm 0	SE 4	SE 6	ESE 2	E 2	SE 0	
24	SE	8·9	SE 3	E 2	N 2	N 2	SW 3	W 2	E by S 2	SE 4	E 3	E 3	Calm 1	
25	SE	10·6	SE 2	SE 3	Calm 0	Calm 0	Calm 0	Calm 0	ESE 3	SE 2	E 3	NE 2	N 2	
26	SE	9·6	SSE 3	SE 4	E 1	SE 2	SW 2	W 2	E by S 4	SE 2	E 4	E 4	SE 0	
27	SE	6·2	SSE 4	SE 4	Calm 0	N 2	W 2	W 3	ESE 4	SE 4	E 5	E 5	Calm 2	
28	SE	6·1	SE 4	SE 4	Calm 0	E 3	W 2	W 3	E by S 2	SE 2	E 5	E 4	SE 3	
29	SE	7·4	SE 4	SE 4	E 1	SE 3	SW 2	N 2	SE 2	SE 4	E 5	E 6	SE 4	
30	SE	3·1	NE 3	Calm 0	Calm 0	Calm 0	W 3	SW 3	E 3	SE 6	E 5	E 4	NE 4	
31	SE	3·8	E 2	S 3	Calm 0	Calm 0	SW 2	N 2	ESE 3	SE 4	E 6	E 4		
Mean ..	..	5·2	4·1	3·7	1·0	1·3	2·0	1·9	3·4	4·6	4·5	4·0	1·5	
†Resultant	130° (65)	..	130° (89)		120° (26)		260° (62)		110° (92)	135° (100)	95° (95)		115° (50)	
†Normal	139° (86)	6·9	118° (75)		261° (37)		240° (26)		92° (88)	132° (88)	100° (58)		98° (74)	

* Mean velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JULY 1917.

* *Barents Sea and Spitsbergen.*—At first the ice extended to 74° N., 50° E., with firm ice in the inlets of Novaja Zemblya. Between 45° E. and 50° E. and S. to Kolgujev, there were large divided floes of winter ice. From 50 miles W. of Bear Is. the edge trended N. to 30 miles off Spitsbergen and then connected with the Greenland Sea ice, leaving a narrow channel of open sea in 0°–4° E. to 77° N. Later the sea was open to Pr. Charles Foreland. There was much ice in the Storfjord. The area covered was 904 by 10^3 sq. km. normally 519 by 10^3 sq. km.

* *Greenland Sea, Iceland and Denmark Strait.*—The ice in Greenland Sea was 150 miles further E. than usual, but remained 60 miles N. of Mevenklint, covering an area of 960 by 10^3 sq. km., comparing with a normal of 718 by 10^3 sq. km. A little ice was seen off Iceland on 8 days, the normal being 8 days with ice visible. Ice at first lay about 70 miles off Angmagsalik but later the sea was free.

North Atlantic and Labrador.—Icebergs were numerous on the Newfoundland Banks, and small pieces of ice were observed in 42° 28′ N., 48° 4′ W.

* *Davis Strait and Baffin Bay.*—The ice off Cape Farewell reached to 20 miles out. Julianehaab Bay was free. There was some ice off Egedesminde and much in Melville Bay. Further N. the ice began to break up even in North Star Bay.

* *Bering Sea* was free of ice.

* *Beaufort Sea.*—From Icy Cape eastwards the ice lay close inshore.

**Isforholdene i de Arktiske Have*, 1917, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, AUGUST 1917.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF AUGUST 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

AUGUST—ZONE 1.

Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	1011·5	..	+ 2·7	..	282·3	11th	..	269·3	29th	..	..	*276·5*	11	..
124	Upernivik	72 47	W56 7	18·9	1012·6	1014·9	+ 3·4	282·6	288·8	10th	273·8	269·5	28th, 29th	278·2	+0·4	*278·4*	26	− 3
125	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1013·3	1014·7	+ 2·2	..	279·6	24th	273·3	270·5	30th	..	−1·8	275·2	49	+ 28
139	Gjesvaer	71 6	25 22	6·5	1011·6	1012·4	+ 1·3	..	293·2	19th	279·9	276·0	12th	..	−0·3	*282·8*	28	− 16
140	Mehavn	71 1	27 47	6·4	1011·9	1012·7	+ 1·7	..	293·4	19th	280·1	275·0	11th	..	+0·2	*282·7*	45	− 7
141	Vardö	70 22	31 8	10·0	1012·3	1013·5	+ 1·7	..	290·8	6th	279·2	275·5	13th	..	0·0	*281·9*	32	− 22
142	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24 N.	58 47 E.	11·2	1012·0	1013·4	+ 2·8	275·9	280·5	1st	272·4	270·5	29th	274·2	..	*273·8*	21	..

AUGUST—ZONE 2.

Between Latitude 70° N. and 60° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
202	Gambel	63 51	171 35	6·1	..	1008·8	− 0·2	286·6	294·1	19th	281·3	275·8	3rd	283·9	+1·4	*284·1*	102	+ 34
203	Nome	64 30	165 24	6·7	..	..	..	289·4	296·9	13th	279·7	271·9	22nd	284·6	..	..	32	..
204	Candle	65 55	161 57	2·4	..	1011·5	+ 2·4	293·2	299·1	10th	279·9	273·6	12th, 13th	286·6	+1·3	*286·8*	27	− 27
205	Tanana	65 10	152 6	67·1	..	..	..	294·8	303·6	4th	..	..	..	..	..	..	15	− 25
206	Rampart	65 30	150 15	122	..	1015·9	+ 2·2	287·2	290·8	10th, 14th	279·6	274·7	31st	283·4	−0·3	*283·5*	55	− 92
207	Valdez	61 7	146 16	8·2	..	1010·8	+ 1·1	293·6	303·6	7th	277·6	273·0	31st	285·6	+1·5	..	19	− 35
208	Eagle	64 46	141 12	254	..	..	..	..	..	..	..	..	..	..	..	..	..	..
209	Dawson	64 4	139 20	328	973·1	1011·8	− 1·4	294·1	301·9	9th, 10th	278·6	274·1	14, 25, 26	286·3	+1·0	..	35	− 5
210	Carcross	60 11	134 34	662	..	..	..	290·4	296·9	7th	277·5	271·3	25th, 31st	283·9	+0·2	..	12	− 10
211	Fort Good Hope	66 25	128 53	65·2	1007·0	1015·0	..	291·3	303·6	7th	277·4	269·7	17th	284·4	..	..	56	..
212	Fort Simpson	61 52	121 35	129	1004·7	1020·3	..	293·0	300·8	10th	281·3	273·6	6th	287·2	+1·0	..	36	+ 7
213	Hay River	60 51	115 20	161	992·5	1011·8	..	290·8	299·7	11th, 28th	281·3	273·6	14th	286·1	−1·3	..	24	..
225	Jacobshavn	69 13	51 2	12·6	1013·6	1015·1	+ 3·7	..	..	..	..	..	..	..	+1·3	*280·9*	20	− 14
226	Godthaab	64 11	51 43	9·0	1010·0	1011·1	+ 1·5	286·2	290·7	7th	277·7	274·4	2nd	281·9	+1·6	*280·9*	102	+ 24
227	Ivigtut	61 12	48 10	95·0	1012·2	1012·8	+ 3·3	..	..	..	278·8	276·3	18th	..	+1·3	*282·9*	75	− 18
229	Angmagsalik	65 37	37 33	31·7	1010·6	1014·5	+ 2·1	284·3	290·1	10th	275·2	270·9	23rd	279·7	−0·2	*278·7*	42	− 21
231	Stykkisholm	65 5	22 46	11·3	1011·0	1012·4	+ 3·2	285·8	289·7	10th	280·2	276·5	18th	283·0	+0·2	*282·4*	44	+ 2
232	Vestmanno	63 3	20 15	7·7	1006·6	1007·5	− 1·1	288·2	290·6	11th	280·8	275·1	21st	284·5	+1·6	*284·8*	118	+ 43
233	Grimsey	66 33	17 58	22·0	..	..	..	283·4	291·4	4th	278·1	274·6	31st	280·7	+0·6	*280·4*	11	− 23
233*a*	Akureyri	65 40	18 4	6·8	1010·8	1011·6	+ 1·8	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1006·8	1009·0	− 0·6	286·3	292·6	2nd	279·1	274·5	14th	282·7	+1·0	*282·4*	71	− 10
235	Thorshavn	62 3	6 45	25·7	1002·4	1005·5	− 4·5	286·6	290·4	1st	282·5	278·4	19th	284·5	+0·9	*284·2*	80	− 15
236	Lerwick	60 9	W 1 8	18·0	1002·3	1004·4	− 5·4	289·3	293·6	5th	284·9	280·8	21st	287·1	+2·5	*287·1*	68	− 8
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1001·4	1006·6	− 4·1	..	301·6	4th	286·8	282·7	21st	..	+3·0	*289·8*	280	+121
238	Christiansund	63 7	7 45	17·8	1004·8	1006·9	− 3·7	..	298·6	8th	286·5	283·1	29th	..	+3·3	*289·3*	40	− 63
239	Trondhjem	63 26	10 25	39·5	1003·4	1008·1	− 2·5	..	303·1	2nd	285·8	281·0	22nd	..	+3·9	*290·2*	59	− 17
240	Bodö	67 17	14 24	22·4	1006·8	1009·5	− 0·9	..	296·2	9th	283·9	281·0	21st	..	+2·4	*287·7*	43	− 40
241	Haparanda	65 50	24 9	9·2	1011·6	1012·7	+ 1·9	293·2	301·0	8th	285·2	279·0	5th, 28th	289·2	+3·6	*289·2*	8	− 46
242	Helsingfors	60 10	24 57	11·7	1011·9	1013·3	+ 1·8	295·6	302·0	4th	288·1	282·1	6th	291·9	+3·0	*291·4*	10	− 63
242*a*	Kuopio	62 54	27 40	90·3	1003·0	1013·7	+ 2·2	295·8	301·4	9th	286·8	283·1	5th	291·3	+4·7	*291·4*	70	0
243	Kola	68 53	33 1	6·7	1013·5	1014·3	+ 3·7	290·6	299·5	3rd	280·5	271·1	11th	285·6	+1·6	*285·4*	91	+ 47
244	Petrozavodsk	61 47	34 23	38·9	1010·3	1014·9	+ 3·3	..	299·4	4th	..	..	..	..	+4·5	*291·6*	..	..
245	Arkhangelsk	64 35	40 36	5·8	1015·1	1015·8	+ 4·8	293·8	300·0	9th	281·9	275·3	6th	287·8	+1·0	*287·5*	30	− 32
246	Mezen	65 50	44 16	12·6	1014·2	1015·7	+ 5·5	289·2	298·8	3rd	278·4	271·3	11th	283·8	0·0	*284·0*	42	− 10
247	Oust-Tsylma	65 25	52 14	? 70	1007·0	1015·6	+ 4·6	287·3	296·1	4th	277·3	271·1	13th	282·3	−2·9	*281·8*	38	..
248	Tcherdyn	60 24	56 31	?177	993·1	1014·3	+ 3·7	291·9	297·7	5th	280·3	272·5	28th	286·1	−1·5	*285·8*	24	− 43
249	Berezov	63 56	65 1	39·9	1007·4	1012·3	+ 1·1	286·1	293·4	1st	277·4	272·2	31st	281·8	−4·1	*281·8*	43	− 15
250	Obdorsk	66 31	66 35	23·7	1009·0	1011·9	+ 0·8	284·5	294·5	2nd	276·7	271·4	28th	280·6	−3·7	*280·1*	29	− 21
251	Sourgout	61 15	73 24	? 40	1003·6	1008·5	− 1·7	..	293·3	5th	278·0	272·6	11th	..	−4·3	*282·6*	60	− 21
252	Doudinka	69 23	86 4	20	1001·5	1003·9	− 6·1	..	292·5	17th	278·2	273·3	31st	..	..	*281·3*	63	..
253	Touroukhansk	65 47	87 57	45	1001·0	1006·4	− 3·5	..	298·6	1st	279·3	271·4	29th	..	−2·2	*283·2*	47	− 11
254	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Iakoutsk	62 1	129 43	108	994·0	1006·9	− 2·1	..	298·1	9th	282·7	275·1	19th	..	−0·5	*287·6*	73	+ 27
262	Verkhoïansk	67 33	133 23	100	991·9	1003·8	− 3·8	..	299·5	3rd	279·1	273·0	15th, 23rd	..	+3·6	*286·7*	5	− 20
263	Oust-Maïskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Markovo-sur-Anadyr	64 45	170 50	25·9	1003·9	1007·0	− 2·2	287·2	292·8	28th	277·8	270·6	26th	282·5	+0·3	..	55	+ 6
271	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

AUGUST—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	286·0	294·7	31st	279·7	271·9	28th, 29th	282·9	..	..	188	..
302	St. Paul Island	57 15	170 10	6·1	..	1005·1	− 3·0	282·2	285·2	10th, 11th	278·4	276·9	29th, 30th	280·3	..	..	108	− 35
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1007·4	− 4·8	286·5	290·2	24th	280·3	274·1	23rd	283·4	−0·3	*282·9*	47	..
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	1010·1	− 0·9	284·9	292·4	1st	281·6	279·1	11th	283·2	..	*283·2*	235	+ 80
309	Sitka	57 3	135 19	27·4	..	1017·6	+ 1·8	289·3	293·6	7th	282·8	278·0	30th	286·1	+0·2	*286·1*	205	+ 44
310	Prince Rupert	54 18	130 18	51·8	1011·7	1018·0	+ 0·9	290·8	297·4	16th	283·6	279·7	24th	287·2	+0·4	*286·9*	110	− 12
311	Barkerville	53 2	121 35	1274	874·9	..	..	289·7	295·2	16th	278·0	274·1	4th, 31st	283·8	−1·3	*283·6*	55	− 47
312	Kamloops	50 42	120 29	385	974·4	1018·8	+ 2·1	301·9	308·0	16th	285·8	280·8	31st	293·8	+0·7	*293·7*	30	+ 3
313	Calgary	51 2	114 2	1045	898·3	..	..	298·0	304·1	16th	279·7	274·1	8th	288·8	+1·0	*288·4*	39	− 25
314	Fort Chipewyan	58 42	111 10	218	986·8	1012·6	..	291·9	298·6	10th	281·9	274·7	27th	286·9	−0·7	*287·5*	39	− 3
315	Prince Albert	53 10	106 0	442	961·9	1013·1	+ 1·5	296·9	305·2	16th	281·9	277·4	27th, 28th	289·4	+1·5	*288·8*	38	− 13
316	Qu'Appelle	50 30	103 47	645	938·5	1012·2	− 0·8	296·9	304·1	18th	281·9	274·7	28th	289·4	+0·2	*288·4*	66	− 20
317	Minnedosa	50 15	99 50	515	953·4	1012·7	− 0·2	298·0	306·9	17th	281·9	273·6	28th	289·9	+1·0	*288·9*	31	+ 59
318	Berens River	52 18	97 23	216	..	..	..	292·1	297·4	1st	280·0	270·8	28th	286·1	−3·9	..	109	..
318*a*	Port Nelson	57 4	92 36	14·9	1009·7	1011·5	..	287·4	295·2	13th	276·9	271·3	24th, 26th	282·2	..	..	124	..
319	Fort Hope	51 33	87 49	‡260	980·0	1012·8	..	290·8	299·7	14th	280·2	274·7	3, 26, 30	285·5	−2·6	*285·8*	..	..
320	Moose Factory	51 14	80 30	9·1	1010·2	1011·3	− 2·2	293·0	299·7	23rd	280·8	274·1	27th	286·9	−1·3	..	14	− 60
321	Fort George	53 50	79 5	97·5	..	..	..	289·7	299·7	1st	281·4	272·4	9th	285·6	..	..	87	..
322	Mistassini Post	50 15	73 55	383	..	..	..	292·8	298·6	24th	282·5	274·1	21st	287·7	..	..	91	..
323	Hebron	58 12	62 21	15·0	1012·6	1014·4	+ 5·8	..	..	..	278·9	274·9	..	..	..	*282·5*	157	..
324	Natashquan	50 8	61 48	?	..	..	..	291·8	296·3	4th, 6th	283·7	275·2	22nd	287·7	..	..	125	− 64
326	Belle Isle	51 53	55 23	133	997·5	1013·6	+ 1·8	287·4	293·0	25th	279·7	275·2	28th	283·6	−0·3	*283·9*	88	..
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1005·0	1006·6	− 7·6	290·4	293·6	5th	285·4	283·0	26th	287·9	0·0	287·9	217	+ 63
335	Aberdeen	57 10	2 6	26·8	1000·5	1003·7	− 7·7	289·2	293·6	17th	284·8	281·9	31st	287·0	+0·6	286·8	97	+ 27
336	Greenwich	51 28	W 0 0	46·3	1002·1	1007·6	− 7·4	293·9	298·6	22nd	285·5	283·0	27th	289·7	−0·5	288·9	109	+ 53
337	Uccle	50 48	E 4 22	100	997·6	1009·5	− 6·1	294·4	299·6	18th	285·1	281·9	21st	289·7	−0·5	289·0	106	+ 26
338	De Bilt	52 6	5 11	3·0	1008·5	1008·9	− 5·8	293·9	298·7	7th	285·6	280·4	26th	289·7	−0·5	289·2	193	+111
338*a*	Hamburg	53 33	9 58	26·0	1007·2	1010·3	− 3·4	294·6	300·0	23rd	287·6	284·0	26th	291·1	+1·0	*290·8*	92	+ 14
339	Copenhagen	55 41	12 36	5·0	1009·8	1010·4	− 2·5	293·9	298·5	5th	288·6	284·3	28th	291·3	+2·2	*290·8*	85	+ 19
340	Potsdam	52 23	13 4	84·9	1001·7	1011·8	− 2·9	296·9	304·3	9th	286·2	282·9	26th	291·5	+1·1	290·8	83	+ 25
340*a*	Upsala	59 51	17 38	24·0	1008·5	1011·3	+ 0·2	295·2	300·5	4th	284·6	280·8	23rd	289·9	+2·4	290·0	43	− 27
341	Warsaw	52 13	21 1	133	997·2	1012·7	− 2·0	298·1	307·7	2nd	287·5	282·4	28th	292·8	+2·1	293·0	48	+ 27
342	Jurjev	58 23	26 43	74·5	1005·1	1014·0	+ 2·5	295·9	302·0	1st	286·3	281·7	6th	291·1	+2·1	290·3	100	..
343	Petrograd	59 56	30 16	4·8	1013·5	1014·1	+ 2·3	296·6	301·5	9th	287·7	282·6	6th	292·2	+3·4	*292·0*	32	− 39
344	Kiev	50 27	30 30	183	991·2	1012·7	− 1·2	297·3	302·4	11th	288·3	284·4	24th	292·8	+0·5	*292·1*	89	+ 35
344*a*	Moscow	55 50	37 33	167	994·6	1014·2	+ 1·8	297·4	302·1	7th	285·0	279·9	16th	291·2	+1·5	*291·1*	32	− 41
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1004·7	1014·2	+ 3·4	298·9	305·9	11th	285·8	280·9	14th	292·4	+1·5	*292·0*	40	+ 24
347	Orenburg	51 45	55 6	109	998·6	1011·4	+ 0·5	299·6	306·7	11th	286·1	282·4	24th	292·8	+0·6	*292·9*	57	− 21
348	Perm	58 1	56 16	163	994·7	1014·1	+ 3·9	293·4	299·3	5th	282·3	275·9	21st	287·8	−0·5	*287·7*	52	..
349	Ekaterinburg	56 49	60 38	281	979·5	1012·8	+ 1·3	292·0	297·2	5th	280·6	274·6	28th	286·3	−1·8	*286·1*	48	− 16
350	Tobolsk	58 12	68 14	?108	998·8	1011·8	+ 1·2	289·7	296·8	1st	280·5	276·5	9th	285·1	−3·5	*284·9*	49	− 19
351	Akmolinsk	51 12	71 23	?347	970·0	1010·7	− 0·1	..	301·2	1st	282·2	276·7	8th	..	−2·3	*288·4*	20	− 16
352	Omsk	54 58	73 23	87·9	999·4	1009·9	− 0·1	..	298·0	2nd	281·5	277·2	..	..	−3·5	*286·1*	33	..
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 65
354	Tomsk	56 30	84 58	122	992·2	1006·9	− 2·8	..	296·5	4th	281·5	275·8	19th	..	−3·5	*284·6*	132	..
355	Minousinsk	53 43	91 41	249	979·5	1008·7	− 2·3	..	302·0	5th	283·2	276·2	26th	..	..	*288·3*	76	+ 15
356	Eniseisk	58 27	92 10	77·6	996·8	1006·1	− 4·1	..	297·3	4th	280·0	272·0	15th	..	−3·5	*285·0*	84	+ 17
357	Irkutsk	52 16	104 19	467	953·8	1008·1	− 2·2	..	297·5	4th	281·1	275·6	27th	..	−1·6	*286·7*	148	+ 63
358	Kirensk	57 47	108 7	263	975·9	1006·8	− 2·9	..	298·3	5th	281·5	275·5	29th	..	−1·3	*286·9*	147	− 32
359	Tchita	52 2	113 30	687	928·0	1006·3	− 1·9	..	301·2	22nd	282·0	276·6	26th, 28th	..	−0·1	*288·3*	64	..
360	Blagoveshchensk Priisk	58 10	114 19	490	..	..	..	..	..	..	..	..	..	..	..	..	..	− 44
360*a*	Nertchinskii Zavod	51 19	119 37	626	935·4	1006·5	− 1·4	..	302·7	18th	283·8	275·0	28th	..	+2·2	*290·7*	65	..
361	Tygan Ourkan	54 5	124 46	379	962·3	1006·0	..	297·4	301·4	19th	282·8	274·8	29th	290·1	..	*290·0*	99	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	989·6	1006·0	+ 0·1	299·3	304·6	24th	289·4	282·6	30th	294·4	+2·4	*294·0*	176	+ 43
363	Paikanskii Sklad	50 11	130 7	145	989·1	1006·0	..	299·0	304·1	2nd	286·2	279·1	30th	292·6	..	*292·7*	153	..
364																		− 14
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1006·8	1009·4	+ 1·4	..	299·4	28th	285·8	278·3	17th	..	+1·6	*290·4*	66	+ 60
366	Okhotsk	59 21	143 12	6·0	1007·8	1008·5	− 2·6	289·2	296·2	23rd	283·3	278·4	31st	286·3	+0·5	*286·0*	107	..
367																		..
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1007·5	1009·1	− 1·5	293·2	299·6	6th	283·7	280·0	2nd	288·5	..	*288·1*	49	..
369																		..
371	Attu Island	52 56 N.	173 13 E.	4·9	..	1008·8	− 2·4	286·1	291·9	15th, 16th	..	..	..	..	..	..	183	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

AUGUST—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1010·1	1018·5	+ 1·3	293·6	300·8	31st	284·1	282·4	3, 5, 18	288·8	+0·5	288·0	5	− 12
412	Portland, Oregon	45 32	122 41	46·6	1011·5	1016·9	+ 0·6	300·8	306·3	12th	287·7	283·6	10th	294·3	+2·4	*294·2*	0	− 16
413	Macleod	..	..	..	..	..	..	295·4	304·1	3rd	279·8	274·1	10th	287·6	−2·2	*287·9*	19	− 24
414	Helena	49 44	113 24	953	876·5	1015·9	+ 2·3	300·2	306·3	2nd	283·8	278·6	31st	292·0	−0·2	*292·1*	5	− 13
414*a*	Salt Lake City	46 34	112 4	1253	869·1	1014·2	+ 1·9	303·0	306·3	9th	289·6	286·9	28th	296·3	−0·3	*296·8*	18	− 2
415	Cheyenne	40 46	111 54	1329	817·6	1016·2	+ 3·2	296·5	304·1	3rd	282·2	277·4	28th	289·3	−2·0	*289·8*	44	+ 6
416	North Platte	41 8	104 48	1856	919·3	1017·3	+ 3·6	301·6	309·7	3rd	285·9	279·1	28th	293·8	−1·9	*293·5*	50	− 10
416*a*	Bismarck	41 8	100 45	859	956·5	1016·2	+ 1·8	300·2	308·0	17th	284·2	276·3	28th	292·2	−0·9	*292·2*	35	− 16
417	Winnipeg	46 47	100 38	511	985·3	1012·5	− 1·4	296·9	304·7	21st	284·1	276·9	28th	290·5	+0·3	*289·9*	43	− 19
418	Duluth	49 53	97 7	232	973·9	1014·9	+ 0·1	294·2	303·0	19th	282·8	277·4	29th	288·5	−1·1	*288·6*	52	− 25
		46 47	92 6	345														
419	Port Arthur	48 27	89 12	196	989·9	1013·1	− 1·8	294·1	300·8	15th	281·9	274·1	29th	288·0	−0·5	*287·9*	56	− 14
420	Chicago	41 53	87 37	251	986·4	1015·9	0·0	297·8	305·2	5th	290·8	281·3	25th	294·3	−0·6	*294·3*	31	− 48
421	Toronto	43 40	79 24	116	1001·7	1015·4	− 0·1	298·6	306·3	1st	287·4	280·8	26th, 31st	293·0	+0·8	292·2	113	+ 43
422	New York (Central Park)	40 46	73 58	30·2	1012·6	1016·1	− 0·5	301·7	309·7	1st	293·3	287·4	26th	297·5	+1·3	297·3	40	− 73
423	St. John, N.B.	45 17	66 4	36·2	1012·3	1016·6	+ 1·2	294·1	301·9	7th	286·3	283·0	27th	290·2	+1·3	289·8	110	+ 12
424	S.W. Point, Anticosti	49 24	63 33	9·1	1013·6	1014·7	+ 2·4	290·8	295·2	2nd, 3rd	285·2	279·1	22nd	288·0	+1·6	*288·3*	191	+104
424*a*	Sable Island (Main Station)	43 57	60 0	7·6	1019·7	1020·6	+ 3·8	295·2	299·1	23rd, 25th	289·7	285·8	9th	292·4	+2·2	*292·3*	28	− 66
425	Port aux Basques	47 35	59 10	9·1	1016·6	1017·7	+ 2·6	292·4	295·2	11th, 26th	286·9	281·3	22nd	289·7	+2·2	*289·7*	185	+ 70
426	St. John's, Newfoundland	47 34	52 42	38·1	1013·4	1017·9	+ 4·2	296·3	301·3	11th	286·9	279·7	2nd	291·6	+3·4	*291·1*	56	− 34
435	Madrid	40 24	3 41	655	940·2	1013·7	− 1·1	305·6	309·0	4th, 19th	286·2	281·7	31st	295·9	−1·5	295·6	1	− 11
436	Nantes	47 15	W 1 34	36·5	1008·4	1012·7	− 4·4	294·4	301·2	22nd	285·4	282·0	21st	289·9	−1·8	289·5	79	+ 30
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1006·1	1012·1	− 4·6	295·0	301·5	22nd	285·3	281·9	21st	290·1	−1·1	289·6	52	+ 2
438	Marseilles	43 18	5 23	74·8	1005·5	1014·3	− 0·8	300·6	305·0	24th	287·9	285·2	17th, 31st	294·2	−1·0	293·7	5	− 12
438*a*	Zürich	47 23	8 33	493	957·9	1015·0	− 2·5	296·7	303·3	23rd	285·3	282·0	31st	291·0	−0·7	289·7	189	+ 57
439	Rome	41 54	12 27	45	1009·1	1014·4	− 0·0	303·4	307·1	1st	292·4	290·3	5th	297·9	+0·8	*298·0*	7	− 20
440	Vienna	48 15	16 22	203	989·1	1012·8	− 2·6	297·2	303·6	1st	287·8	282·9	28th	292·5	+0·4	292·4	41	− 29
440*a*	Buda-Pesth	47 31	19 1	130	997·6	1012·7	− 2·1	303·1	309·4	2nd	289·1	284·8	28th	296·1	+2·4	*295·4*	29	− 20
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1003·4	1012·9	− 1·3	304·9	310·7	30th	289·3	285·6	31st	297·1	+1·5	296·7	48	− 3
443	Odessa (University)	46 29	30 44	65·3	1004·8	1012·5	− 1·9	300·3	304·6	3rd	291·6	287·7	13th	296·0	+0·9	*295·6*	38	+ 6
444	Kharkov (University)	50 0	36 14	140	995·6	1012·0	− 2·7	299·0	303·3	5th	286·7	281·1	16th	292·8	+0·6	*292·3*	104	+ 53
444*a*	Novorossiisk	44 44	37 49	37·1	1007·4	1011·7	− 1·1	300·2	305·5	9th	292·1	288·3	27th	296·2	−0·3	*296·1*	118	+ 89
445	Tiflis	41 43	44 48	404	965·4	1011·2	− 0·9	303·5	309·0	8th	291·1	288·4	4th	297·3	−0·7	*296·6*	42	+ 4
446	Astrakhan	46 21	48 2	−13·8	1012·8	1011·2	− 1·2	301·2	307·0	13th	291·8	289·7	2, 3, 23	296·5	−0·4	*296·0*	38	+ 26
447	Fort Alexandrovsk	44 30	50 16	24	1007·2	1010·0	− 2·7	..	308·1	11th	293·2	287·4	28th	..	−0·6	*297·1*	11	0
448	Krasnovodsk	40 0	52 59	−14·6	1011·5	1009·9	− 1·2	306·5	312·0	10th	297·0	292·9	27th	301·8	+0·3	*301·8*	..	..
449	Aralskoe More	46 47	61 42	57·0	1004·3	1011·0	− 0·5	301·1	307·1	13th	289·8	285·1	20th	295·4	−1·1	*295·6*	27	..
450	Tachkent	41 20	69 18	479	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Naryn-skoe	41 26	76 0	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	?825	913·4	1004·0	− 3·0	303·4	310·3	3rd	291·6	285·6	21st, 30th	297·5	..	*296·5*	8	..
461	Mukden	41 48	123 23	43·8	1001·5	1006·6	− 0·2	302·9	307·0	1st	292·2	289·2	12th	297·5	+0·4	296·9	131	− 6
462	Joshin	40 40	129 11	4·0	1007·8	1008·3	0·0	300·7	306·5	12th	292·3	288·7	26th	296·5	+1·6	296·3	16	−109
463	Yuki	42 20	130 24	65·6	1000·8	1008·5	..	298·6	304·4	11th	291·5	286·5	22nd	295·1	.	294·8	72	..
464	Vladivostok	43 7	131 55	128	993·9	1008·8	− 0·7	297·7	303·0	24th	291·8	288·5	3rd	294·8	+0·4	294·2	36	− 74
465	Ochiai	47 20	142 44	6·6	1009·2	1010·0	− 1·1	295·1	302·6	9th	286·4	279·8	24th	290·7	−0·8	290·2	80	− 13
466	Nemuro	43 20	145 35	26·7	1008·6	1011·8	+ 0·3	291·8	296·1	1st	286·1	281·6	3rd	289·0	−1·4	288·6	49	− 61
466*a*	Syana	45 14 N.	147 53 E.	39·3	1007·2	1011·9	− 0·3	292·7	300·0	10th	284·3	277·2	4th	288·5	0·0	288·5	51	− 19
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

AUGUST—ZONE 5 (Western Half).

Between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1009·8	1015·6	+ 1·7	290·2	293·6	20th	284·3	283·0	5th	287·2	−0·7	*286·6*	0	− 1
512	San Luis Obispo	35 18	120 39	61·3	1008·9	1016·2	+ 2·2	296·3	301·9	4th	284·7	283·0	6th	290·5	−0·6	*289·5*	0	− 1
513	San Diego	32 43	117 10	26·5	1010·9	1013·9	+ 1·4	295·8	298·6	4th	290·8	288·6	19th	293·3	−0·3	*293·1*	0	− 2
514	Modena	37 48	113 54	1670	836·5	1013·9	+ 2·0	303·1	306·3	23rd	284·5	278·6	27th	293·8	+0·2	*293·5*	7	− 30
515	Santa Fé	35 41	105 57	2138	791·4	1012·2	− 0·1	299·3	304·7	8th	286·4	281·9	29th	292·9	−0·2	*292·3*	35	− 21
516	Denver	39 45	105 0	1613	841·3	1016·2	+ 2·7	300·1	306·9	3rd	286·4	280·8	28th	293·2	−1·3	*293·0*	1	− 34
517	Abilene	32 23	99 40	530	953·9	1013·2	+ 0·1	308·6	313·0	22nd	294·9	284·7	30th	301·8	+1·2	*301·5*	31	− 28
518	Saint Louis	38 38	90 12	173	995·8	1015·9	+ 0·4	301·6	307·4	5th	292·6	287·4	29th	297·1	−1·4	*296·8*	51	− 22
519	Mobile	30 41	88 2	17·4	1013·8	1015·9	+ 0·5	305·0	308·0	16th	295·4	291·9	26th	300·2	−0·3	*299·2*	163	− 10
520	Nashville	36 10	86 47	166	997·4	1016·9	+ 1·0	302·5	307·4	1st	291·9	284·7	26th	297·2	−1·4	*297·0*	77	− 10
521	Charleston	32 47	79 56	14·6	1014·6	1016·2	− 0·1	303·1	307·4	10th	296·4	294·1	25th	299·8	+0·1	*299·9*	129	− 43
522	Washington	38 54	77 3	34·1	1012·4	1016·2	+ 0·1	302·6	308·6	2nd	292·2	285·2	26th	297·4	+0·3	*296·9*	20	− 89
523	Bermuda	32 18	64 46	46·0	1014·4	1019·7	+ 0·9	302·0	303·1	3rd	296·7	294·7	21st	299·3	−0·4	*299·2*	123	− 15
524	Santa Cruz (Flores)	39 27	31 9	28	1022·1	1025·2	+ 1·7	297·2	300·8	28th	291·8	289·6	2nd	294·5	−0·6	*294·4*	19	− 79
530	Horta	38 32	28 38	65	1017·0	1024·2	+ 1·8	297·4	300·8	2nd	291·2	289·4	9th, 10th	294·3	−0·9	294·4	28	− 56
531	Ponta Delgada	37 44	25 40	22	1021·4	1023·2	+ 0·8	296·8	298·9	4th	291·7	289·7	10th	294·3	−0·9	294·1	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	38	− 18
532*a*	Madeira (Funchal)	32 37	16 54	25	1017·2	1020·1	+ 1·0	296·7	298·5	30th	291·0	290·5	2nd	293·9	−1·5	*294·2*	0	− 3
533	Lisbon	38 43	9 9	95	1006·2	1017·4	+ 0·2	298·6	305·0	3rd	289·6	287·1	30th	294·1	−1·2	*293·5*	2	− 3
534	Gibraltar	36 6	5 21	16·2	1013·8	1015·7	− 1·2	301·1	305·2	24th	292·7	289·7	16th	296·9	−0·5	*296·1*	0	− 3
535	Melilla	35 18	2 59	8	‡1016·6	‡1017·5	− 0·8	303·1	309·2	25th	294·7	291·8	16th	298·9	−1·7	*299·4*	0	− 1
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

AUGUST—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.*			Temperature.									Precipitation.	
					Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean. *	Total.	Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 38	23	1011·4	1014·1	− 3·1	302·7	307·6	13th	292·3	287·8	30th	297·5	−1·0	..	7	−11
538	Algiers (Bouzaréah)	36 48	3 2	344	975·3	1014·5	− 1·3	302·2	309·7	20th	294·2	291·8	4th	298·2	+0·8	297·5	0	− 4
539	Tunis	36 48	10 10	33	‡1010·9	‡1014·7	− 0·8	308·1	316·5	6th	295·5	291·9	12th	301·8	+2·4	301·4	0	− 6
539a	Malta	35 53	14 31	56·4	..	1014·5	− 1·7	303·6	307·2	30th	296·6	293·8	12th	300·1	+1·4	299·4	0	− 3
540	Riposto	37 41	15 14	14·2	..	1015·2	− 1·1	303·1	307·8	4th	295·9	293·8	11th	299·5	0·0	298·5	0	−11
541	Athens	37 58	23 43	107	998·6	1010·9	− 0·9	306·1	309·2	5th	296·6	294·1	5th	301·3	+1·6	301·1	0	−10
542	Alexandria	31 12	29 53	32·0	1005·2	1008·8	− 1·5	303·8	305·5	31st	296·7	295·3	4th, 5th	300·3	+0·6	299·5	0	0
543	Cairo (Helwan)	29 52	31 20	116	994·3	1007·5	− 1·1	308·5	311·8	17th	294·6	293·2	22nd	301·6	+0·5	301·1	0	0
544	Nicosia (P.W.D.)	35 9	33 22	159	987·5	1005·1	− 1·5	310·0	313·6	18th	294·3	290·8	8th, 31st	302·2	+0·9	..	0	− 2
544a	Beirut	33 54	35 28	33·7	..	1005·8	− 1·7	304·7	306·1	18th	297·7	296·2	4th	301·2	+0·8	301·0	0	− 1
545	Baghdad	33 21	44 28	38·7	..	..	..	317·0	320·9	21st	298·2	294·4	26th	307·6	−0·2	307·6	0	− 1
546	Busrah	30 31	47 53	7·6	998·5	999·6	− 1·4	316·2	320·9	29th	299·1	295·3	12th	307·6	+0·9	..	0	0
546a	Lenkoran	38 46	48 51	−19·3	1013·2	1011·0	− 0·4	..	304·6	7th	292·4	289·7	2nd, 3rd	..	−0·4	297·8	17	−30
547	Teheran	35 41	51 25	1220	..	..	..	308·6	312·2	14th	295·1	291·9	17th	301·8	−0·2	301·5	1	− 1
548	Meshed	36 16	59 35	946	..	..	..	306·7	311·8	16th	287·1	281·9	11th	296·9	+0·6	..	1	+ 1
549	Seistan	31 0	61 30	?	..	..	..	311·7	316·6	18th	297·2	293·5	25th	304·4	..	..	0	..
550	Quetta	30 11	67 3	1677	827·9	..	+ 0·2	306·1	309·7	5th	292·0	285·1	31st	299·1	+1·4	298·8	64	+52
551	Peshawar	34 2	71 37	339	964·4	1001·7	+ 1·1	308·3	312·6	18th	298·7	295·3	21st	303·5	−0·9	303·0	141	+89
551a	Lahore	31 34	74 20	214	977·9	1001·6	+ 1·5	306·1	309·1	8th	299·5	296·5	25th	302·8	−1·3	302·3	262	+128
552	Simla	31 7	77 8	2205	778·7	..	+ 0·9	291·7	293·8	19th	288·3	287·3	15th, 26th	290·0	−0·2	289·7	373	−88
552a	Leh	34 10	77 42	3503	666·3	..	+ 1·4	297·1	301·5	5th	283·8	280·7	28th	290·4	+0·1	289·0	24	+10
559	Hankow	30 35	114 17	37·0	1002·2	1006·4	+ 0·5	305·3	309·6	12th	297·8	291·9	21st	301·5	−0·6	301·2	31	−71
560	Tientsin	39 10	117 10	5·0	1005·3	1005·9	− 1·2	304·2	309·9	9th	295·8	292·3	21st	300·0	+0·4	299·6	156	+14
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1005·5	− 0·5	306·0	310·0	11th	296·3	291·8	16th	301·2	+0·4	300·2	133	−12
562	Jinsen (Chemulpo)	37 29	126 37	67·6	999·6	1007·4	− 1·3	301·6	308·0	3rd	294·4	291·0	21st	298·0	0·0	297·6	189	− 2
562a	Nagasaki	32 44	129 52	133	993·4	1008·6	+ 0·3	302·5	307·5	1st	295·9	293·2	16th	299·2	−0·6	298·9	168	− 4
563	Kioto	35 1	135 44	42·9	1004·4	1009·3	+ 0·3	303·9	307·7	1st	293·7	287·5	25th	298·8	−0·7	298·4	117	−22
564	Tokio	35 41	139 45	21·3	1007·9	1010·4	+ 0·4	302·5	306·2	5th	294·5	288·4	27th	298·5	−0·4	298·0	45	−118
565	Kanayama	37 53	140 46	24·6	1007·4	1010·3	0·0	300·0	305·8	11th	291·8	283·5	27th	298·5	−0·4	295·6	94	−105
566	Miyako	39 38	141 59	30·4	1006·9	1010·4	− 0·2	299·9	306·5	11th	291·0	284·6	28th	295·5	−0·5	294·6	148	−31
		N.	E.															
	AUGUST—ZONE 6.										Between Latitude 30° N. and 20° N.							
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1016·7	1018·0	+ 1·9	301·8	303·0	..	296·1	294·7	..	298·9	+0·2	298·7	28	− 8
614	La Paz	24 10	110 20	10	..	..	....	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	823·3	..	+ 1·6	..	303·5	22nd	..	285·7	6th	..	+1·7	294·7	29	−112
616a	Monterry	25 40	100 19	535	953·6	1012·8	..	..	311·4	23rd	..	293·0	30th	..	..	301·7	47	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	298·0	..	..	283·0	..	..	+2·0	291·8	10	−49
618	Galveston	29 18	94 50	16·5	1014·0	1015·9	+ 1·2	304·1	306·3	24th	299·1	294·1	29th	301·6	+0·2	301·3	69	−50
618a	New Orleans	29 58	90 4	16·2	..	1015·6	+ 0·6	305·3	308·0	9th	296·9	295·2	17th	301·1	+0·1	300·3	176	+28
619	Merida, Yuc	20 58	89 41	22	1012·8	1015·3	..	..	306·2	19th	..	294·6	2nd	..	..	‡300·4	83	..
620	Havana	23 8	82 21	24·3	..	1016·7	+ 1·6	303·8	305·3	21st	297·0	295·6	4th	300·4	+0·2	300·2	109	−34
620a	Key West	24 33	81 48	6·7	1015·4	1015·9	+ 0·5	304·6	306·3	17th	298·7	295·2	26th	301·7	−0·3	301·5	122	+ 6
621	Nassau, Bahamas	25 5	77 21	3·7	..	1017·2	+ 0·6	303·6	305·2	20th	298·7	296·9	30th	301·1	0·0	301·2	97	−72
622	Watling Island	24 6	74 26	33·5	?1013·4	?1017·2	+ 2·1	..	?304·1	14th	..	?299·7	11th	..	..	?301·9	..	..
633	Izaña	28 19	16 30	2367	773·1	..	..	295·7	299·6	17th	286·9	283·2	1st	291·3	..	290·4	0	..
634	La Laguna	28 28	16 20	547	953·5	1015·6	− 1·8	299·0	307·1	7th	288·9	286·4	22nd	294·0	−1·0	293·3	0	− 2
637	Insalah	27 8	W 2 27	?280	..	..	..	317·2	320·0	12th	298·5	295·2	20th	307·9	−1·2	308·9	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	993·9	1005·1	− 1·2	314·1	315·8	8th, 10th	298·8	297·3	1st, 2nd	306·5	+0·3	305·7	..	..
644	Tor	28 14	33 37	1·9	1003·9	1004·1	− 1·2	307·0	312·0	3, 4, 10	297·3	293·0	4th, 5th	302·1	+0·3	301·4	..	..
647	Bushire	28 59	50 53	4·3	998·3	998·8	− 0·7	309·2	311·4	25th	302·6	299·4	6th	305·9	+0·4	305·3	0	0
648	Jask	25 44	57 47	4·0	1000·5	1001·0	0·0	306·5	308·8	1st	299·8	298·6	12th, 25th	303·2	−1·6	302·6	0	0
649	Robat	29 45	60 55	?	900·6	..	..	313·9	317·9	28th	296·7	292·8	11th	305·3	..	..	0	..
649a	Karachi	24 53	66 57	4·0	1001·8	1002·2	+ 0·4	302·2	304·1	22nd	298·3	295·8	12th	300·3	−0·3	299·7	63	+22
650	Hyderabad, Sind	25 24	68 18	29·3	997·3	1000·5	+ 0·4	307·4	311·8	6th	299·2	296·0	12th	303·3	−0·5	302·7	99	+44
650a	Jacobabad	28 17	68 29	56·7	994·1	1000·4	+ 1·3	309·6	314·1	3rd	301·0	297·4	12th	305·3	−1·7	304·7	126	+101
651	Jaipur	26 56	75 52	436	954·1	1002·0	0·0	302·9	306·1	27th	297·4	295·9	13th	300·2	−1·6	299·4	377	+166
652	Nagpur	21 8	79 5	310	969·0	1003·5	+ 0·1	303·8	306·8	6th, 21st	296·8	293·6	14th	300·3	+0·2	299·5	234	−64
653	Allahabad	25 25	81 51	94·1	991·0	1001·5	+ 0·5	305·1	307·5	25th	299·2	297·9	8th	302·2	+0·2	301·6	238	−68
653a	Darjiling	27 3	88 18	2266	774·7	..	+ 0·8	293·4	297·1	7th	287·6	286·4	14th	290·5	+1·1	290·2	431	−244
654	Calcutta	22 36	88 23	6·4	1002·5	1003·2	+ 1·3	303·9	306·2	23rd	299·0	297·2	13th	301·4	+0·3	301·3	362	+54
655	Gauhati	26 8	91 41	59·7	998·3	1005·0	+ 0·8	306·0	307·9	23rd	298·6	297·7	27th	302·3	+0·5	301·5	301	+61
655m	Cherrapunji	25 15	91 42	1314	865·3	..	+ 0·7	295·4	300·1	23rd	291·2	290·2	14th	293·3	+0·1	292·8	1577	−577
655a	Akyab	20 11	92 56	6·1	1005·1	1005·7	+ 0·5	302·6	304·6	23rd	296·9	295·4	8th	299·8	?−0·4	299·9	1056	−41
656	Mandalay	21 59	96 0	76·2	998·2	1006·8	+ 1·2	306·1	308·9	22nd	298·4	297·0	7th	302·2	−0·6	301·8	267	+103
656a	Tengyueh	24 59	98 35	1633	830·6	..	..	297·1	301·3	6th	290·0	288·0	14th	293·5	..	292·8	161	..
657	Phu Lien	20 48	106 37	116	991·4	1004·6	+ 0·8	304·3	307·7	18th	297·9	295·2	16th	301·1	−0·2	300·7	175	−90
658	Moncay	21 31	107 51	9	1004·1	1005·1	+ 1·6	303·4	307·0	18th	297·4	295·7	14th	300·4	−0·9	299·8	672	+109
659	Hong Kong	22 18	114 10	33·2	..	1005·8	+ 0·6	303·7	305·5	29th	298·7	296·6	14th	301·2	+0·3	300·8	304	−53
660	Amoy	24 27	118 4	ca.3	1005·7	1006·0	+ 1·3	305·2	308·0	26th	299·9	298·0	30th	302·6	+0·6	302·2	46	−101
661	Taihoku, Formosa	25 2	121 31	9·3	1004·9	1005·9	+ 0·7	306·2	309·3	3rd	297·0	295·6	1st	301·6	+0·5	301·2	419	+116
661a	Santo Domingo	20 28	121 59	18·7	..	1005·1	+ 0·4	304·2	305·7	28th	297·7	296·4	6, 7, 30	300·9	+0·1	300·9	281	−93
662	Naha	26 13	127 41	10·5	1007·2	1008·4	+ 1·7	305·7	307·1	7th	298·2	296·0	11th	301·9	+0·8	301·6	90	−103
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1010·3	1010·7	+ 2·2	304·0	307·3	14th	297·4	294·0	26th	300·7	+0·2	300·2	85	−117
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

AUGUST—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.*			Temperature.									Precipitation.	
					Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	Diff. from Normal.	†24 hr. Mean. *	Total.	Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	2a.		a.	a.	a.	mm.	mm.
		N.	W.															
715	Colima	19 14	103 47	507	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 12	1939	810·1	..	..	..	300·0	18th	..	283·0	26th	..	..	290·3	94	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·3	1013·0	+ 0·9	295·5	297·9	21st	282·9	280·1	3rd	289·2	−0·9	288·2	110	− 12
718	Oaxaca	17 3	96 45	1563	848·0	..	+ 1·3	..	302·3	20th	..	285·5	8th	..	..	291·9	98	− 4
718a	Salina Cruz	16 12	95 12	56·3	1006·6	1013·1	..	302·7	304·7	18th	296·5	294·1	1st	299·6	..	299·2	222	..
719	San Salvador	13 42	89 12	‡665	938·4	1013·0	+ 1·8	305·7	308·4	18th	291·3	289·0	14th	298·5	−1·0	295·6	308	+ 16
720	Belize	17 29	88 12	5·2	1014·2	1014·7	+ 2·6	303·7	305·2	2nd, 7th	297·6	294·4	9th	300·6	−0·2	300·2	187	− 53
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·9	+ 1·7	303·4	304·6	8th	295·3	294·1	31st	299·3	−0·5	298·4	307	+135
722	Port au Prince	18 34	72 22	37·4	1010·9	1015·2	+ 1·3	306·0	308·1	15th	295·4	293·4	11th	300·7	−0·8	299·8	160	+ 25
723	Caracas	10 30	66 55	‡1010	901·5	..	+ 0·4	297·7	299·2	31st	288·2	285·7	12th	292·9	−0·6	292·9	78	− 30
724	Montserrat	16 41	62 9	39·6	1010·6	1015·1	+ 0·3	303·9	305·8	21st	296·7	294·1	23rd	300·3	..	299·8	181	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	994·9	1012·8	+ 0·4	302·4	304·7	30th	296·8	294·7	5th, 24th	299·6	+0·2	299·0	218	− 21
725	Barbados	13 8	59 36	55·2	..	1014·1	+ 0·4	302·7	303·5	21st	296·1	294·4	28th	299·4	0·0	299·8	121	− 58
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1011·3	1012·5	0·0	300·1	302·8	15th	295·0	293·2	6th	297·5	−1·3	298·2	3	− 39
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1007·7	1012·3	− 1·1	301·7	303·2	15th	297·6	296·6	1st, 8th	299·7	+0·2	299·7	15	− 94
733	Bathurst	13 24	16 36	1·5	..	1013·2	+ 1·2	302·5	305·2	12th	..	..	..	..	−0·5	300·2	449	− 50
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	306·4	309·1	6, 9, 13	288·9	288·6	sev. dates	297·7	−3·0	..	430	+166
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	305·4	308·6	29th	295·3	293·0	4th, 11th	300·4	+1·2	299·7	126	− 78
738	Kaduna Capital	10 32	7 25	637	944·9	1016·6	+ 0·8	300·4	304·1	31st	292·6	290·2	13th	296·5	+0·1	295·9	361	+ 65
739	Katagum	12 17	10 22	30·7	..	..	..	305·7	308·0	13th, 24th	294·8	293·0	11, 25, 30	300·3	+0·6	299·6	200	+ 2
740	Maiduguri	11 47	13 11	361	..	..	..	306·4	309·7	25th, 28th	295·2	293·0	29th	300·8	+0·9	300·2	105	−102
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	63	..
743	El Obeid	13 11	30 14	569	945·9	1009·1	− 0·5	305·9	309·0	5th	292·7	287·5	19th	299·3	−0·1	299·0	115	0
743a	Khartoum	15 37	32 33	390	963·1	1006·2	− 1·6	311·1	315·0	6th, 23rd	298·4	294·1	25th	304·7	+0·3	304·5	24	− 32
744	Port Sudan	19 37	37 13	5·9	1003·1	1003·7	− 1·3	313·4	318·0	26th	300·7	298·0	1, 3, 5	307·1	+0·1	306·6	0	− 1
745	Berbera, Somaliland	10 22	45 2	9·2	1004·7	1005·7	+ 0·5	314·8	318·0	11th	304·1	296·9	30th	309·5	−0·3	308·6	0	− 1
746	Aden	12 45	45 3	28·7	1000·3	1003·4	− 1·5	307·2	308·8	18th	301·3	299·5	31st	304·3	+1·2	304·5	0	− 3
751	Bombay	18 54	72 49	11·3	1005·0	1006·2	− 0·6	301·7	303·9	19th	298·1	296·0	15th	299·9	−0·1	299·2	817	+457
751a	Cochin	10 58	76 21	2·7	1009·4	1009·7	− 1·1	301·9	303·8	3rd	296·8	295·6	8th	299·4	+0·2	298·8	355	+ 23
752	Kodaikanal	10 14	77 28	2343	769·0	..	− 0·4	290·6	292·3	3rd	284·4	283·3	28th	287·5	+0·2	287·5	293	+103
752a	Bangalore	12 59	77 38	920	907·7	1007·9	− 0·5	300·8	304·3	3rd	292·1	291·1	17th	296·4	+0·2	295·3	180	+ 40
753	Madras	13 4	80 14	6·7	1005·7	1006·4	− 0·7	306·3	309·7	3rd	298·0	296·2	29th	302·2	−0·6	301·6	162	+ 37
754	Waltair	17 45	83 16	68·9	996·5	1004·1	+ 0·7	304·6	307·7	27th	298·5	296·5	29th	301·6	+0·1	301·0	181	+ 40
755	Port Blair	11 40	92 40	17·7	1006·2	1008·2	− 0·2	302·3	303·8	4th	297·8	296·7	18th, 31st	300·1	−0·3	299·5	437	+ 61
756	Rangoon	16 46	95 48	5·5	1007·3	1008·0	+ 0·5	302·9	305·5	15th	297·3	296·1	11th	300·1	+0·2	299·2	526	+ 26
757	Saigon	10 47	106 42	11·2	1006·3	1007·5	0·0	304·9	306·8	17th	296·5	295·2	23rd	300·7	+0·1	300·2	324	+ 50
758	Nhatrang	12 15	109 12	3·6	1005·9	1006·3	+ 0·9	305·5	307·9	1st	297·1	295·7	6th	301·3	−0·7	300·8	17	− 20
759	Bolinao	16 24	119 53	9·7	..	1005·4	− 0·6	304·8	306·6	28th	297·0	295·5	5th, 9th	300·9	+0·5	300·3	355	−205
761	Vigan	17 34	120 23	12·2	..	1006·5	+ 0·2	303·8	306·2	30th	296·8	295·7	4th	300·3	+0·4	300·2	476	−213
761a	Manila	14 35	120 59	14·2	..	1007·3	− 0·1	304·9	306·7	22nd	296·6	295·4	30th	300·7	−0·1	299·9	359	− 2
762	Ormoc	11 0	124 36	5·6	..	1008·1	+ 0·2	305·0	306·4	13th	296·0	294·0	8th	300·5	−0·1	299·7	159	−104
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1008·0	+ 0·7	302·3	304·0	11, 22, 29	297·0	295·4	2nd	299·7	−0·8	299·4	470	+ 67
		N.	E.															
	Between Latitude 10° N. and 0°.																**AUGUST—ZONE 8.**	
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	304·2	306·4	23rd	297·4	295·5	9th	300·8	+0·3	300·2	55	− 47
821	Colon	9 23	79 23	11·0	..	1011·8	+ 1·5	301·3	303·0	8th	296·8	295·2	7th	299·0	−0·4	298·6	401	+ 20
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	97	+ 45
822a	Merida, Venez	8 36	71 9	1641	‡ 842·8	..	..	296·7	300·0	19th, 20th	288·0	286·5	5th	292·3	..	291·1	174	..
824	El Peru, Guayanavieja	7 30	62 0	220	986·0	1011·1	0·0	302·1	303·8	31st	294·5	290·8	22nd	298·3	−0·4	297·8	234	+ 53
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·3	+ 1·4	302·7	304·7	5th	296·4	294·7	5th	299·6	−0·4	299·2	164	− 4
826	Paramaribo	5 49	55 9	3·7	..	..	..	304·2	305·2	20th	‡293·2	‡291·3	3rd	‡298·7	−0·2	298·9	255	+106
826a	Cayenne	4 56	52 21	6	..	..	..	305·6	305·8	sev. dates	294·9	293·8	27th	300·3	−0·3	299·7	67	− 3
833	Conakry	9 31	13 43	16	1011·5	1013·3	0·0	300·7	303·3	28th	296·2	294·6	24th	298·5	+0·5	298·1	818	−292
834	Freetown, Sierra Leone	8 30	13 9	68·3	1005·9	1013·9	+ 0·6	301·1	304·7	18th	295·4	293·6	1st, 25th	298·2	−0·4	297·2	975	+ 61
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	155	+137
836	Accra	5 33	W 0 12	25·7	..	..	..	302·6	..	..	294·6	..	..	298·6	+1·7	298·1	63	+ 48
837	Lagos	6 27	E 3 24	1·8	1013·3	1013·5	− 1·7	301·1	304·7	..	295·7	294·4	..	298·4	+0·3	298·0	578	+510
838	Zungeru	9 48	6 10	130	..	..	..	303·4	305·8	1st, 12th	295·5	293·6	14, 25, 27	299·4	+0·7	298·9	325	+ 95
838a	Libreville	0 23	9 26	35	..	..	..	302·8	305·2	16th	295·0	294·0	2nd	298·9	+1·3	298·4	58	+ 39
839	Yola	9 12	12 30	259	..	..	..	303·8	?309·7	9th	294·9	292·4	29th	299·4	+0·6	298·9	301	+ 92
841	Wau	7 42	28 3	440	959·9	1009·5	− 1·0	303·9	306·5	9th	293·5	291·5	28th	298·7	−0·1	297·5	261	+ 54
843	Mongalla	5 11	31 47	439	961·1	1010·7	+ 0·1	..	..	..	293·4	291·5	23rd	..	−0·3	297·0	138	− 10
843a	Malakal (Kodok)	9 35	31 37	394	966·2	1010·9	− 0·2	303·6	307·4	6th	292·7	290·8	1st	298·1	..	296·9	188	+ 18
844	Entebbe	0 5	32 29	1171	884·5	..	− 0·2	299·1	300·2	11th, 29th	290·1	288·6	3rd	294·6	+0·9	293·7	38	− 39
845	Harrar	9 42	42 30	1856	..	..	..	296·2	..	..	286·7	..	..	291·4	−0·1	..	205	+ 45
851	Minicoy	8 17	72 49	2·1	1010·5	1010·7	− 0·2	..	..	..	..	..	..	..	..	..	314	+124
852	Colombo Observatory	6 54	79 53	7·3	1007·6	1008·4	− 0·5	302·7	304·0	2nd	297·9	296·2	26th	300·3	−0·2	299·7	58	− 27
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	292·6	295·7	2nd	285·7	282·9	26th	289·2	+1·0	288·5	232	+ 30
854	Trincomalee	8 34	81 14	30·2	1002·4	1005·8	− 0·3	306·4	309·2	9th	297·5	295·3	30th	301·9	−0·4	301·3	205	+ 95
855	Kota Radja	5 32	95 20	7·1	..	1009·0	− 1·1	..	..	..	..	..	..	..	..	..	80	− 39
856	Medan	3 35	98 41	25·0	..	1008·9	− 0·9	304·3	307·1	21st	294·4	292·3	29th	299·3	..	298·3	147	− 36
857	Penang	5 34	100 20	5·0	1007·1	1007·7	− 2·2	304·7	306·9	19th	295·7	294·1	28th	300·2	0·0	299·6	253	− 73
858	Singapore	1 17	103 51	3	1008·8	1009·1	− 0·6	303·2	304·7	3, 20, 31	296·5	294·7	29th, 30th	299·8	−0·5	299·3	439	+237
859	Sandakan	5 50	118 7	31·7	..	..	..	304·9	306·3	sev. dates.	296·6	295·8	1, 22, 31	300·7	0·0	300·2	83	−122
860	Iwahig	9 44	118 38	4·3	..	1006·6	− 0·6	305·1	306·8	16th	294·9	293·7	3rd	300·0	..	298·8	195	..
861	Tagbilaran	9 38	123 51	21·3	..	1007·9	− 0·1	304·7	306·2	2nd	296·5	295·4	4, 24, 25	300·6	−0·5	299·9	173	+ 44
861a	Menado	1 30	124 50	8·5	..	1008·7	− 0·1	303·8	306·6	8th	296·0	293·3	19th	299·9	..	299·3	106	+ 4
862	Surigao	9 48	125 29	6	..	1007·8	− 0·1	304·1	306·1	1st	296·5	295·3	25th	300·3	−0·7	300·0	116	+ 25
863	Yap	9 29	138 8	31·9	..	1007·8	+ 0·7	305·0	307·2	5th, 9th	297·1	295·6	29th	301·1	+0·2	300·3	229	−165
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

AUGUST—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature Diff. from Normal.	Temperature †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1012·5	1013·4	+ 2·2	304·2	304·7	sev. dates	296·6	295·2	14th	300·4	−0·8	*299·4*	27	− 13
924	Manaos	3 8	60 1	43·8	..	..	..	304·8	306·8	10th	296·2	294·0	10th	300·5	−1·1	*299·5*	92	+ 52
926	Taperinha	2 30	54 42	20·0	1010·5	1012·8	..	304·9	306·8	29th	294·4	292·2	9th	299·7	..	*298·0*	25	+ 18
927	Turyassu	1 43	45 27	15·1	1011·4	1013·1	+ 0·1	304·9	307·1	9th	294·6	292·4	8th	299·7	−0·7	*298·3*	147	− 9
928	Barra do Corda	5 31	45 16	81·0	1002·7	1012·1	− 0·2	306·2	308·0	18th	289·3	285·0	3rd	297·7	−1·8	*296·5*	3	− 11
929	Quixeramobim	5 16	39 15	207	990·6	1014·2	− 0·1	305·0	306·2	29th	296·0	294·0	2nd	300·5	−0·1	*299·9*	1	+ 44
930	Fernando Noronha	3 50	W32 55	106	1002·6	1014·9	− 0·3	299·1	300·2	7th	295·6	294·1	16th	297·3	..	*297·1*	78	
939	Loanda	8 49	E 13 13	59·3	..	1015·1	− 0·1	295·2	297·0	22nd, 29th	291·4	289·5	17th	293·3	+0·4	293·2	3	+ 2
940	Brazzaville	4 17	15 16	290	980·2	1013·4	− 0·8	302·2	309·1	18th	291·5	289·3	13th	296·8	+0·6	*296·1*	40	+ 44
943	Masaka	0 21	31 47	?1280	..	..	..	297·0	299·7	7th	287·9	286·9	5, 14, 22	292·5	−0·2	*291·9*	112	+ 55
944	Nairobi	1 14	36 44	1800	..	..	..	294·1	297·4	26th	283·0	280·8	9th	288·6	−0·1	*287·9*	54	+ 27
944*a*	Zanzibar	6 10	39 11	21·9	1015·5	1018·0	− 0·7	300·3	301·9	28th	295·8	295·1	16th, 18th	298·1	+0·1	*297·0*	52	− 12
945	Lamu	2 16	40 50	3·1	..	..	..	305·8	306·9	3rd	296·3	295·2	9th	301·1	+1·9	*300·5*	31	+ 22
947	Seychelles, Port Office	4 37	55 27	4·6	1011·8	1012·3	− 0·3	299·8	300·7	26th, 29th	297·4	295·1	25th	298·6	0·0	*298·0*	81	
957	Padang	0 56	100 22	6·7	..	1010·5	− 0·6	303·0	304·7	20th	295·8	294·5	25th	299·4	..	298·7	486	+125
958	Batavia	6 11	106 50	8·0	1009·1	1010·0	− 0·5	303·7	305·4	5th	296·2	295·1	31st	299·9	+0·4	299·5	94	+ 52
958*a*	Pontianak	0 1	109 20	2·6	..	1009·7	− 0·4	303·5	305·7	20th	296·1	294·7	30th	299·8	..	298·7	407	+242
959	Passeroean	7 38	112 55	5·0	..	1010·1	− 1·0	303·9	306·1	16th	294·7	292·2	1st	299·3	+0·7	299·6	0	− 2
960	Kajoemas	7 56	114 9	1060	..	..	..	297·6	300·9	8th	290·5	289·7	21st	294·1	..	293·2	37	+ 22
962	Ambon	3 42	128 10	4·2	..	1010·0	− 1·0	301·1	303·2	26th	296·4	294·7	2nd	298·7	+0·9	298·4	652	+357
963	Manokwari	0 52	134 20	19·0	..	1008·4	− 0·5	302·7	303·8	9th	296·7	295·4	21st	299·7	..	299·4	205	+ 55
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
967																		
968	Rendova	8 30	157 12	1·8	1010·3	1010·5	+ 0·1	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1011·3	1011·5	+ 1·0	302·9	306·2	29th	297·4	296·2	15, 16, 18	300·2	+0·3	*300·0*	253	−117
970	Ocean Island	0 52 S.	169 35 E.	25·6	1005·5	1008·4	0·0	304·4	305·2	14th, 21st	297·9	296·3	18th	301·2	+0·2	*300·5*	155	− 21
																	19	− 49

AUGUST—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature Diff. from Normal.	Temperature †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1014·8	+ 2·9	302·0	302·7	29th	294·8	290·2	6th	298·4	−0·1	298·0	84	− 14
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·3	304·1	9th, 23rd	292·3	288·0	5th	296·8	..	*296·6*	330	+229
1007	Makatea	15 47	148 14	47	1011·3	1016·7	..	303·2	304·9	6th	294·6	289·9	3rd	298·9	+1·1	*298·3*	59	− 19
1021	Arequipa	16 22	71 33	2451	762·3	..	+ 0·8	292·7	294·0	5th, 10th	281·4	279·1	8th, 14th	287·1	0·0	*286·4*	0	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	289·9	290·4	sev. dates	282·7	282·0	sev. dates	286·3	−0·4	*288·7*	0	0
1023																	0	
1024	Sucre, Bolivia	19 30	64 24	2848	731·6	..	..	290·2	295·5	20th	277·1	273·6	1st	283·7	..	*284·1*	6	+ 2
1025	Corumba	19 0	57 39	155	1001·5	1019·6	..	302·2	308·0	sev. dates	290·3	282·2	24th	296·3	..	..	0	− 34
1026	Cuyaba	15 36	56 6	165	994·9	1013·9	+ 1·3	303·2	308·4	26th	293·5	287·7	23rd	298·3	−1·4	*297·4*	0	− 25
1027	Bello Horizonte	19 55	43 55	857	922·8	1019·8	+ 1·1	297·5	301·0	9th	285·0	279·8	9th	291·3	+0·1	*291·0*	0	− 10
1028	Caetite	14 2	42 39	900	918·8	1019·9	+ 1·2	298·1	304·2	23rd	287·4	285·1	sev. dates	292·7	−0·4	*293·2*	0	− 19
1029	Ondina (Bahia)	13 0	38 30	46·6	1012·7	1018·2	+ 0·3	299·3	300·9	14th	292·8	289·8	27th	296·1	−0·7	*295·5*	187	+ 65
1030	Aracaju	10 55	37 3	4·0	1017·9	1018·4	+ 0·8	300·3	301·5	16th	294·5	292·8	3rd	297·4	−0·7	*297·3*	63	− 2
1035	St. Helena	15 57	W 5 40	632	946·0	1018·5	− 1·5	290·9	296·9	16th	284·7	283·6	14th, 28th	287·8	+0·4	*287·5*	79	− 52
1042	Gwelo	19 27	E 29 49	1417	863·5	..	− 1·6	296·6	300·8	2, 3, 4	281·3	275·8	24th	288·9	+0·5	..	0	− 3
1043	Salisbury, Rhodesia	17 48	31 5	1457	859·1	..	− 1·7	297·8	300·7	14th	280·3	275·2	25th	289·0	+0·4	..	1	− 3
1044	Zomba	15 23	35 18	2945	910·8	1016·8	− 0·9	298·2	301·3	16th	286·3	283·6	23rd	292·3	+1·1	*291·7*	5	+ 14
1045	Tananarivo	18 55	47 32	1400	868·0	..	− 0·1	294·2	299·3	30th	282·3	278·4	22nd	288·3	0·0	*286·9*	23	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·6	1013·0	− 0·4	300·7	302·7	30th	297·0	295·1	16th	298·8	−0·1	*298·5*	161	+ 15
1056																		
1057	Christmas Island	10 25	105 43	5·5	1009·2	1009·8	− 0·7	303·3	304·7	..	295·5	294·1	..	299·4	0·0	*298·8*	9	− 53
1058																		
1061	Koepang	10 10	123 34	45·1	..	1011·1	− 0·9	304·8	307·2	30th	294·8	292·8	17th	299·8	..	299·3	0	− 2
1061*a*	Derby	17 18	123 40	10·2	1012·4	1014·3	− 0·3	304·4	308·8	27th	289·2	284·4	11th	296·8	+0·2	..	0	− 3
1062	Hall's Creek	18 13	127 46	374	972·8	1014·8	− 0·7	302·8	306·9	1st	285·1	277·4	1st	293·9	+0·2	*293·2*	6	− 3
1063	Port Darwin	12 28	130 51	29·6	1007·8	1011·2	− 1·2	305·6	307·7	12th, 13th	295·4	293·6	1st, 2nd	300·5	+1·1	*299·3*	1	− 5
1064	Daly Waters	16 16	133 23	211	987·8	1011·6	− 2·4	305·2	308·6	26th	289·3	285·2	5, 8, 30	297·2	+1·4	*296·5*	9	+ 0
1065	Mein	13 13	142 47	122	997·4	1011·3	− 1·3	304·1	309·1	28th	293·6	289·0	21st	298·8	+1·9	*298·1*	3	+ 53
1066	Georgetown, Queensland	18 22	143 32	302	980·9	1015·1	− 0·7	301·8	305·4	2nd	288·3	283·3	2nd	295·1	+0·8	..	58	..
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	1014·6	1016·7	+ 0·9	299·7	304·7	4th	292·8	289·1	14th	296·2	0·0	*296·0*	525	+310
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

AUGUST—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature Diff. from Normal.	Temperature †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	297·6	301·6	28th	291·9	286·9	2nd	294·7	+0·5	*294·5*	18	− 95
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·8	1019·1	+ 1·4	288·2	291·0	27th	282·6	281·0	1st	285·4	+0·2	*285·2*	1	− 12
1122	Iquique	20 12	70 11	9	1016·6	1017·7	+ 1·1	293·3	295·0	22nd	284·1	282·2	5th	288·7	0·0	*289·1*	0	0
1123	Catamarca	28 27	65 47	529	..	1017·6	+ 1·8	296·8	306·5	7th	278·8	273·0	1st, 23rd	287·8	−1·2	287·3	0	− 3
1124	Salta	24 46	65 28	1178	885·5	1017·1	+ 1·6	294·4	304·0	27th	275·7	269·5	2nd	285·1	−0·8	285·7	0	− 3
1125	Goya	29 9	59 15	26	..	1020·4	+ 3·8	294·8	307·0	7th	280·7	273·5	23rd	287·7	−0·4	287·8	25	− 10
1126	Asuncion	25 21	57 37	95	‡1010·5	‡1021·9	+ 4·3	296·9	306·1	28th	284·3	272·8	23rd	290·6	−1·8	290·5	0	− 41
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1013·3	1020·6	+ 1·7	295·9	302·5	..	289·5	287·6	..	292·7	−1·3	292·3	49	+ 1
1139	Windhoek	22 34	E 17 6	1665	..	..	..	291·6	297·2	30th	279·6	279·2	13th	285·6	−2·3	*285·5*	0	− 2
1140																		
1141	Kimberley	28 42	24 47	1202	885·8	..	− 0·6	290·8	299·2	4th	276·8	271·8	3rd	283·8	−1·9	283·3	52	+ 45
1142	Johannesburg	26 11	28 4	1806	825·9	..	− 0·8	287·8	293·3	6th	277·2	271·1	9th	282·5	−2·7	*282·1*	65	+ 56
1420	Pretoria	25 45	28 12	1338	873·7	..	+ 0·2	291·4	298·0	6th	278·9	274·6	9th, 17th	285·2	−1·5	*284·8*	47	+ 36
1143	Durban	29 52	31 3	15·2	1021·3	1023·1	+ 0·6	293·3	297·8	28th	285·6	282·7	9th	289·4	−1·3	*289·0*	112	+ 73
1144	Lorenzo Marques	25 58	32 36	59	..	1022·0	+ 0·9	295·5	302·6	5th	286·6	282·7	24th	291·0	−1·5	290·8	77	+ 61
1147	Mauritius	20 6	57 33	55·2	1013·3	1019·9	− 0·6	296·3	297·6	29th	289·4	285·2	22nd	292·9	−0·6	292·4	66	+ 6
1159	Onslow	21 43	114 57	4·3	1015·0	1015·9	− 0·3	298·8	303·9	28th	283·8	277·4	11th	291·3	−0·8	..	1	− 8
1160	Peak Hill	25 38	118 47	588	948·9	1016·1	− 1·3	293·4	300·6	15th	280·3	275·1	10th	286·9	−1·2	..	5	− 8
1161	Nullagine	21 53	120 5	386	972·2	1016·1	− 0·6	298·1	304·0	28th	281·3	274·3	22nd	289·7	−1·2	..	0	− 10
1162	Laverton	28 40	122 23	466	965·3	1019·3	− 0·2	291·8	300·5	27th	278·2	273·4	2nd	285·0	−1·1	*284·9*	2	− 14
1163	Alice Springs	23 38	133 37	587	950·6	1018·2	+ 0·4	291·8	301·3	9th	278·2	271·7	6th	285·0	−2·7	*284·8*	26	+ 16
1164	William Creek	28 55	136 21	76·2	1009·9	1019·1	− 0·5	293·1	302·4	17th	279·3	274·7	4th, 22nd	286·2	−0·4	*285·9*	4	− 3
1165	Boulia	22 55	139 38	146	999·3	1016·3	− 0·4	296·9	303·9	10th	281·8	273·1	3rd, 4th	289·3	−0·9	*289·1*	15	+ 8
1166	Thargomindah	27 58	143 43	123	1004·0	1018·6	..	293·6	300·2	18th	280·5	274·7	23rd	287·1	..	*286·8*	2	− 13
1167	Mitchell	26 32	147 52	336	..	..	..	293·2	298·4	11th	276·9	269·7	1st, 23rd	285·1	−0·6	..	28	+ 3
1168	Rockhampton	23 24	150 30	11·3	1017·2	1018·6	− 0·3	296·3	302·3	19th	285·8	280·6	1st	291·1	0·0	*290·4*	87	+ 62
1169	Brisbane	27 28	153 2	11·6	1019·4	1020·7	+ 1·5	293·8	299·2	20th	282·9	276·8	23rd	288·4	−0·4	*287·5*	27	− 27
1170	Quitchambo	21 52	166 3	38	1012·2	1016·7	..	299·0	305·6	3rd	285·7	281·9	12th	292·4	..	..	201	+128
1171	Norfolk Island	29 5 S.	167 53 E.	15·2	1018·0	1019·5	+ 1·2	291·6	294·8	21st	287·0	283·6	11th, 25th	289·3	+0·4	*288·9*	144	0

AUGUST—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature Diff. from Normal.	Temperature †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	289·7	293·9	10th	283·5	280·0	25th	286·6	+0·8	*286·4*	65	− 30
1220*a*	Punta Tumbes	36 37	73 6	91	‡1007·9	‡1019·0	− 0·2	287·7	290·2	25th	279·8	276·5	5th	283·7	+0·2	*284·0*	22	− 42
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1014·4	1019·4	+ 0·8	290·0	297·8	21st	280·9	278·5	18th	285·5	−0·3	*285·1*	18	− 51
1223	Santiago	33 27	70 42	520	958·2	1019·8	+ 1·0	292·3	298·9	9th	276·4	272·2	1st	284·3	+1·3	*283·2*	15	− 43
1224	Cordoba	31 25	64 12	423	969·6	1019·8	+ 3·0	294·0	306·1	..	275·7	267·0	..	284·9	−0·4	284·6	0	− 13
1225	Bahia Blanca	38 45	62 15	25	..	1020·6	+ 3·6	287·9	296·0	28th	276·0	269·5	4th	281·9	−0·8	281·8	9	− 16
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1021·5	+ 3·0	287·8	296·1	30th	276·8	271·0	22nd	282·3	−1·9	282·3	29	− 32
1226*a*	Montevideo (Prado)	34 52	56 12	24·9	1018·2	1021·2	+ 2·7	287·4	298·0	26th	277·5	271·5	5th	282·4	−1·1	282·5	41	− 37
1227	Porto Alegre	30 2	W51 13	23·5	1018·7	1021·6	+ 2·6	290·7	301·4	27th	279·2	272·1	24th	284·9	−3·0	284·6	86	− 36
1239	Cape Town	33 56	E 18 29	12·2	..	1022·7	+ 2·2	289·9	295·4	18th	281·1	276·6	26th	285·5	−0·4	*284·1*	55	− 32
1240	Danger Point	34 37	19 18	19·5	..	..	..	288·2	290·2	9, 22, 31	282·5	279·1	7th	285·3	..	..	56	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	292·2	300·8	19th	276·3	271·9	14th	284·2	..	..	17	− 19
1242	East London	33 2	27 53	9·8	1020·5	1021·7	+ 1·8	292·4	302·4	24th	282·9	280·2	11th	287·7	−1·0	..	19	− 39
1359	Perth (Observatory)	31 57	115 51	60·0	1011·3	1018·8	0·0	289·8	296·1	25th	281·1	275·4	25th	285·4	−0·9	*285·4*	116	− 28
1360	Katanning	33 42	117 35	310	980·9	1017·9	− 0·1	287·2	294·1	26th	278·2	272·4	21st	282·7	−0·7	..	62	− 1
1361	Coolgardie	30 57	121 10	423	968·8	1018·5	− 0·5	290·2	298·1	27th	278·0	272·9	18th	284·1	−0·9	*284·0*	16	− 10
1362	Eucla	31 45	128 58	4·6	1016·9	1017·5	− 0·5	291·4	302·3	16th	280·4	273·0	22nd	285·9	−0·6	*285·6*	23	− 1
1363	Streaky Bay	32 48	134 13	13·1	1017·5	1019·1	− 0·3	290·6	295·8	16th	281·6	277·4	23rd	286·1	+0·4	*285·8*	45	− 4
1364	Adelaide	34 56	138 35	42·7	1013·0	1018·1	− 1·1	289·7	296·5	9th, 17th	280·6	276·2	26th	285·1	−0·1	*285·0*	77	+ 13
1366	Melbourne	37 49	144 58	35·1	1013·5	1017·7	− 0·4	288·1	292·8	28th	279·9	273·6	5th	284·0	+0·4	*283·8*	57	+ 11
	Bourke	30 13	145 58	110	1007·6	1020·7	+ 1·5	293·9	299·1	19th	278·2	271·9	4th	286·1	−0·6	..	17	− 5
1365	Sydney	33 52	151 12	44·5	1014·0	1019·4	+ 1·2	289·7	294·2	30th	281·2	277·5	2nd	285·4	−0·4	*284·9*	52	− 24
1368	Lord Howe Island	31 32	159 4	4·6	1019·0	1019·6	..	291·6	294·1	31st	285·4	281·5	3rd	288·5	..	..	46	− 87
1371	Auckland	36 50	174 50	38·1	..	1014·9	..	286·6	289·9	22nd	281·8	278·3	27th	284·2	0·0	..	196	+ 88
1372	Napier	39 32 S.	176 53 E.	21·3	..	1015·1	+ 0·5	287·5	293·8	22nd	279·7	275·8	21st	283·6	+0·6	..	145	+ 58

AUGUST—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature Diff. from Normal.	Temperature †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	176 42	104	..	..	..	..	..	..	..	..	..	..	..	..	62	− 27
1321	Isla Huafo	43 34	74 45	140	999·0	1016·1	+ 1·3	283·9	288·1	31st	279·6	277·8	10th	281·7	+1·4	*281·5*	73	− 75
1322	Punta Galera	40 1	73 44	40	1014·0	1018·9	+ 1·7	284·9	288·0	31st	280·2	276·5	25th	282·5	+0·6	*282·9*	196	− 73
1323	Sarmiento	45 30	69 0	274	..	1013·5	..	283·9	290·0	26th	273·8	264·0	21st	278·9	0·0	278·2	15	+ 2
1324	Puerto Madryn	42 49	W64 58	14	..	1016·8	..	287·8	296·4	27th	275·1	268·6	12th	281·5	−0·2	281·2	1	− 7
1365	Launceston	41 27	E147 10	9·4	1013·4	1014·5	0·0	287·4	290·7	26th	277·0	271·4	22nd	282·2	+0·9	*281·7*	55	− 15
1366	Hobart	42 53	147 22	53·9	1006·4	1012·9	− 0·7	286·8	290·8	10th	278·5	275·1	6th	282·7	+0·8	*282·2*	58	+ 11
1370	Invercargill	46 25	168 21	5·5	..	..	..	284·2	288·0	12th, 23rd	274·7	269·1	6th	279·4	−0·3	..	112	+ 26
1371	Dunedin	45 52	170 31	91·4	..	1013·7	+ 1·0	284·5	291·3	12th, 31st	276·8	273·0	6, 9, 19	280·6	+1·4	..	39	− 39
1371*a*	Christchurch	43 31	172 38	7·6	..	1013·6	− 0·7	284·3	290·8	14th	275·3	271·2	11th	279·8	−0·1	..	22	− 31
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1015·1	+ 1·1	286·0	288·7	25th	279·6	273·9	16th	282·8	+0·6	..	100	− 13
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

AUGUST—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	998·4	1005·2	+ 2·2	279·6	281·9	18th	275·9	272·5	19th	277·7	+0·4	*277·6*	355	+151
1422	Puerto de Punta Arenas	53 10	70 54	4	1005·1	1005·6	+ 2·4	277·7	280·3	10th	272·4	267·2	22nd	275·1	−0·3	*275·2*	93	+ 35
1423	Punta Dungeness	52 24	68 26	5	1004·7	1005·3	+ 2·2	281·8	284·5	26th	272·5	270·7	13th	277·1	+1·7	277·7	6	− 12
1424	Santa Cruz	50 11	68 21	12	..	1009·0	+ 0·6	282·4	290·2	26th	271·9	268·0	11th, 14th	277·1	+0·3	276·7	1	..
1424a	Año Nuevo	54 39	64 9	50	996·7	1002·9	+ 1·3	278·0	279·5	23rd	274·4	271·0	19th	276·2	+0·9	276·3	34	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	31	− 14
1426	Cape Pembroke	51 41	57 42	21	..	1007·4	+ 3·6	279·0	283·0	24, 25, 27	273·9	270·2	20th, 21st	276·5	+0·7	276·7	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	1000·0	1000·5	+ 0·4	274·7	284·9	28th	267·9	262·8	10th	271·3	+0·1	*271·4*	97	− 26

AUGUST—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	994·7	995·6	+ 0·4	269·1	277·5	3rd	259·4	245·1	20th	264·3	+0·2	264·3	20	− 13
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—AUGUST 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. *Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.	Sierra Leone. 834. Direction and Force.	Entebbe. 844. Direction and Force.	Malden Island. 905. Direction and Force.	Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.	Suva, Fiji. 1072. Direction and Force.
	9h.	m/s	9h. 21h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SE	5·9	SE 3 SE 3	Calm 0 W 1	SW 2 N 2	ESE 3	SE 6	E 5 E 4	SE 4
2	SE	6·3	SE 4 SE 4	Calm 0 S 2	W 3 Calm 0	ESE 4	SE 6	E 4 E 4	SE 3
3	ESE	4·2	SE 5 SE 4	Calm 0 S 3	W 2 Calm 0	E by S 4	SE 6	E 4 E 4	S 2
4	SE	4·7	SE 4 E 3	Calm 0 S 2	S 3 Calm 0	E by S 2	SE 6	E 4 E 4	S 3
5	SE	6·0	SE 4 SE 4	E 2 NE 4	W 2 S 3	ESE 3	Calm 0	E 5 E 3	SE 3
6	ESE	4·2	SE 6 SE 5	Calm 0 Calm 0	S 3 Calm 0	SE 3	Calm 0	E 4 E 3	SE 2
7	SE	6·0	SE 6 SE 4	Calm 0 S 2	N 3 Calm 0	SE 5	SE 2	E 4 E 4	E 1
8	SE	10·1	E 5 SE 4	Calm 0 S 3	Calm 0 Calm 0	ESE 5	SE 2	E 6 E 4	E 0
9	SE	9·5	SE 4 SE 4	Calm 0 S 2	N 4 Calm 0	ESE 3	SE 6	ESE 6 SE 5	Calm 0
10	SE	10·6	SE 5 SE 5	E 2 S 2	W 3 Calm 0	ESE 3	SE 2	SE 7 SE 6	Calm 0
11	SE	11·4	SE 5 SE 5	Calm 0 S 3	W 2 Calm 0	E by S 3	SE 6	ESE 6 ESE 5	S 2
12	E	10·5	SE 5 SE 5	Calm 0 NE 3	W 3 W –	E by S 4	SE 6	ESE 5 ESE 4	E 2
13	SE	11·9	E 4 SE 4	Calm 0 S 2	N 3 Calm 0	E by S 4	SE 6	ESE 4 E 4	Calm 0
14	SE	12·7	SE 4 SE 4	Calm 0 S 2	E 5 W 3	E by S 5	SE 2	E 4 E 3	Calm 1
15	SE	11·6	SE 5 SE 4	Calm 0 S 2	W 3 SW 3	SE 3	SE 2	E 4 E 5	E 1
16	SE	11·5	SE 5 E 4	E 4 NE 2	S 2 S 2	ESE 3	SE 4	ESE 6 ESE 5	SE 1
17	SE	11·5	SE 4 SE 3	Calm 0 E 2	W 3 W 3	ESE 2	SE 4	E 4 E 5	SE 2
18	SE	10·8	SE 4 SE 5	S 4 S 2	N 3 S 3	SE 5	SE 2	E 6 E 5	SE 0
19	SE	11·9	SE 5 SE 5	Calm 0 S 1	S 2 W 3	ESE 4	SE 2	E 6 E 6	Calm 1
20	SE	9·3	SE 5 SE 5	Calm 0 S 1	W 3 SW 2	ESE 5	SE 4	E 6 E 6	N 1
21	SE	9·7	SE 5 SE 4	Calm 0 S 1	W 3 SW 2	ESE 4	SE 2	E 6 E 6	NE 0
22	SE	12·3	SE 5 SE 5	Calm 0 W 1	Calm 0 S 2	ESE 4	SE 6	E 6 E 5	Calm 0
23	SE	13·4	E 4 SE 4	Calm 0 W 1	S 2 S 2	SE 2	SE 4	ENE 5 E 4	SE 1
24	SE	11·9	SE 5 SE 5	Calm 0 S 2	W 3 W 3	ESE 4	SE 6	E 5 E 4	SE 2
25	SE	11·4	SE 5 SE 5	S 4 S 2	W 3 W 3	ESE 3	SE 6	E 5 E 4	SE 4
26	SE	8·0	SE 6 SE 5	Calm 0 S 1	S 3 W 4	SE 4	SE 8	E 4 E 4	SE 3
27	SE	8·0	SE 5 SE 4	W 2 W 1	W 3 W 3	ESE 2	SE 8	E 4 ESE 4	SE 4
28	SE	6·3	SE 5 SE 5	Calm 0 SE 1	W 3 SW 5	SE 2	SE 2	ESE 4 E 5	SE 3
29	SE	6·6	SE 4 SE 4	Calm 0 S 1	W 3 S 2	E by S 3	SE 4	ENE 7 E 5	SE 2
30	SE	—	SE 5 SE 5	SW 3 W 1	W 3 W 3	ESE 4	SE 2	E 5 E 5	SE 2
31	SE	—	SE 5 SE 6	Calm 0 W 1	W 3 SW 3	E by S 3	Calm 0	E 4 E 4	1·0
Mean ..	..	9·2	4·7 4·4	0·7 1·7	2·7 1·9	3·5	3·9	5·0 4·5	
†Resultant	130° (97)	..	130° (97)	185° (33)	250° (50)	110° (92)	135° (89)	95° (96)	120° (66)
†Normal	141° (89)	8·1	123° (79)	259° (43)	250° (21)	93° (88)	135° (82)	105° (61)	103° (41)

* Mean velocity of the South East Trade Wind at 632 metres.
† Direction and "constancy." For explanation see Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—AUGUST 1917.

* *Kara Sea* was not passed this year as the Straits were blocked with ice.
* *Barents Sea.*—The ice was probably more S. than usual, but information is lacking.
* *Spitsbergen.*—The W. coast was free, with some ice in the fjords.
* *Greenland Sea, Iceland and Denmark Strait.*—The ice in Greenland Sea decreased considerably, leaving the sea S. of Cape Grivel practically free but for icebergs. The area covered was 561 × 10^3 sq. km., only 10 × 10^3 sq. km. greater than normal. Iceland was ice free, the normal being 1 day with ice visible.
North Atlantic and Labrador.—A few icebergs were seen in Belle Isle Strait, and three in 73° 20′ N. and 0° 20′ E.
* *Davis Strait and Baffin Bay.*—There was no ice, except a few icebergs, from N. of Angmagsalik, round Cape Farewell to N. of Wilcox Head, which is very unusual.
* *Beaufort Sea.*—The ice edge lay near the land to Cape Bathurst and to the E. was packed close inshore.

* *Isforholdene i de Arktiske Have*, 1917, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, SEPTEMBER 1917

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF SEPTEMBER 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

SEPTEMBER—ZONE 1.

Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	N. 71 23	W. 156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	1003·8	..	− 3·2	..	276·1	16th	..	257·7	30th	..	..	*269·0*	3	..
124	Upernivik	72 47	W56 7	18·9	1002·4	1004·7	− 3·7	275·8	280·3	16th	268·6	263·0	26th	272·2	−1·2	*272·6*	66	+ 40
125	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1003·9	1005·4	− 4·2	..	275·1	4th	268·5	258·4	30th	..	−1·9	270·4	15	− 4
139	Giesvaer	71 6	25 22	6·5	1000·7	1001·5	− 6·4	..	290·1	4th	276·3	272·1	30th	..	−1·0	*278·5*	108	+ 39
140	Mehavn	71 1	27 47	6·4	1001·5	1002·3	− 6·9	..	289·3	4th	276·2	270·7	23rd	..	−0·9	*278·5*	44	− 39
141	Vardö	70 22	31 8	10·0	1001·4	1002·6	− 6·2	..	284·7	3rd	276·4	271·8	23rd	..	−0·9	*278·3*	111	+ 49
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24 N.	58 47 E.	11·2	?1001·8	?1003·2	− 5·2	?275·8	?286·4	6th	?271·5	?265·4	24th	?273·6	..	*?273·3*	..	..

SEPTEMBER—ZONE 2.

Between Latitude 70° N. and 60° N.

202	Gambel	N. 63 51	W. 171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1005·4	− 1·0	281·1	286·9	2nd	274·9	268·6	18th	278·0	−0·2	*277·8*	62	+ 11
204	Candle	65 55	161 57	2·4	..	..	..	280·6	288·6	3rd	273·8	264·1	17th	277·2	..	..	34	..
205	Tanana	65 10	152 6	67·1	..	1005·1	− 3·2	283·2	295·2	4th	274·9	266·3	17th	279·1	+2·0	*278·5*	50	+ 15
206	Rampart	65 30	150 15	122	..	..	..	285·5	301·9	4th	..	..	..	..	..	..	49	+ 15
207	Valdez	61 7	146 16	8·2	..	1007·4	− 1·7	282·6	288·0	2nd	275·9	271·3	26th	279·3	−1·4	*278·9*	261	+ 49
208	Eagle	64 46	141 12	254	..	1004·4	− 4·4	286·3	296·3	10th	274·1	264·1	24th	280·2	+2·2	..	19	− 12
209	Dawson	64 4	139 20	328	965·4	1004·5	− 7·3	286·9	295·8	9th, 10th	274·7	265·8	28th	280·8	+2·0	..	40	− 8
210	Carcross	60 11	134 34	662	..	..	..	287·8	295·2	5th	273·4	265·2	25th	280·6	+0·2	..	5	− 20
211	Fort Good Hope	66 25	128 53	65·2	1000·3	1008·3	..	285·2	300·2	9th	274·1	266·9	25th	279·7	..	..	28	..
212	Fort Simpson	61 52	121 35	129	995·2	1010·9	..	289·1	296·9	10th, 12th	277·4	270·2	28th	283·3	+3·9	..	26	− 12
213	Hay River	60 51	115 20	161	990·2	1009·6	..	289·7	299·7	21st	276·9	268·6	25th	283·3	+2·8	..	32	..
225	Jacobshavn	69 13	51 2	12·6	1002·3	1003·9	− 4·3	..	..	..	..	..	..	..	+0·6	*275·5*	13	− 22
226	Godthaab	64 11	51 43	9·0	999·8	1000·9	− 4·9	278·6	284·2	9th	273·9	270·2	27th	276·3	−0·2	*276·0*	61	− 22
227	Ivigtut	61 12	48 10	5·0	1001·2	1001·8	− 3·2	..	..	..	274·8	268·1	27th	..	−0·3	*277·8*	117	− 38
229	Angmagsalik	65 37	37 33	31·7	998·7	1002·6	− 4·9	278·2	284·2	7th	271·9	265·4	29th	275·1	−1·8	*274·8*	70	− 45
231	Stykkisholm	65 5	22 46	11·3	1000·2	1001·6	− 4·2	281·7	284·9	12th	276·3	271·7	29th	279·0	−0·8	*279·0*	88	+ 19
232	Vestmanno	63 3	20 15	7·7	998·6	999·5	− 6·8	283·4	286·5	10th	277·3	273·0	29th	280·3	−0·8	*280·4*	160	+ 15
233	Grimsey	66 33	17 58	22·0	..	..	..	279·1	282·5	8th	274·5	271·2	28th	276·8	−1·6	*277·1*	8	− 26
233a	Akureyri	65 40	18 4	6·8	1000·4	1001·2	− 5·8	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	997·8	1000·0	− 7·2	282·4	287·6	7th	274·6	270·5	4th, 29th	278·5	−0·5	*279·4*	104	− 21
236	Thorshavn	62 3	6 45	25·7	999·6	1002·7	− 7·6	284·3	286·4	2nd	279·9	273·8	29th	282·1	0·0	*282·0*	143	+ 24
237	Lerwick	60 9	W 1 8	18·0	1003·7	1005·8	− 5·6	285·8	288·6	6th	281·6	278·6	29th	283·7	+0·4	*283·9*	205	+129
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1002·0	1007·4	− 4·1	..	292·9	6th	281·8	277·2	30th	..	−0·1	*284·2*	445	+251
239	Christiansund	63 7	7 45	17·8	1001·9	1004·0	− 6·3	..	291·2	2nd	281·5	275·2	30th	..	+0·1	*283·7*	262	+129
240	Trondhjem	63 26	10 25	39·5	999·8	1004·6	− 5·8	..	293·8	7th	279·3	274·2	30th	..	−0·7	*282·0*	163	+ 76
241	Bodö	67 17	14 24	22·4	998·7	1001·4	− 7·7	..	290·4	3rd	278·6	274·0	30th	..	−0·3	*281·5*	104	− 11
242	Haparanda	65 50	24 9	9·2	1000·9	1002·0	− 8·4	285·2	291·0	1st, 4th	277·2	271·0	30th	281·2	+0·1	*280·7*	88	+ 33
242a	Helsingfors	60 10	24 57	11·7	1004·3	1005·7	− 7·1	287·2	292·1	1st	281·2	275·3	30th	284·2	+0·4	*284·0*	95	+ 33
243	Kuopio	62 54	27 40	90·3	991·8	1002·7	− 9·9	285·2	293·1	3rd	279·4	273·1	30th	282·3	+0·7	*282·5*	117	+ 56
244	Kola	68 53	33 1	6·7	1001·8	1002·6	− 7·1	281·5	290·3	3rd	276·5	270·4	25th	279·0	−0·2	*278·9*	106	+ 70
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	290·9	2nd, 3rd	..	..	..	..	+1·5	*283·6*	..	..
246	Arkhangelsk	64 35	40 36	5·8	1001·9	1002·6	− 9·0	285·0	294·4	3rd	279·3	267·3	25th	282·2	+0·5	*281·5*	79	+ 24
247	Mezen	65 50	44 16	12·6	1000·8	1002·3	− 8·0	284·0	295·4	5th	276·8	265·9	25th	280·4	+1·3	*280·2*	50	+ 5
248	Oust-Tsylma	65 25	52 14	? 70	995·6	1004·2	− 7·7	283·8	296·5	6th	277·2	269·5	24th, 25th	280·5	+0·4	*279·9*	78	..
	Teherdyn	60 24	56 31	?177	987·1	1008·4	− 4·2	288·2	301·2	2nd	279·6	273·5	11th, 22nd	283·9	+2·4	*283·4*	65	− 5
249	Berezov	63 56	65 4	39·9	1001·2	1006·0	− 5·6	285·9	298·6	3rd	277·3	270·1	30th	281·6	+2·7	*281·4*	65	+ 25
250	Obdorsk	66 31	66 35	23·7	1002·7	1005·6	− 5·0	282·1	292·8	1st	275·6	268·1	25th	278·8	+0·6	*278·5*	73	+ 36
251	Sourgout	61 15	73 24	? 40	1002·6	1007·4	− 5·0	..	297·7	4th	278·3	269·2	13th	..	+2·3	*283·0*	53	+ 5
252	Doudinka	69 23	86 4	20	1003·9	1006·3	− 3·1	..	283·8	8th	272·8	265·4	18th	..	..	*276·3*	78	..
253	Touroukhansk	65 47	87 57	45	1004·7	1010·2	− 2·1	..	290·3	21st	276·1	264·5	18th	..	+2·4	*280·1*	79	+ 24
254	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Iakoutsk	62 1	129 43	108	998·4	1011·7	− 2·5	..	291·0	1st	273·7	266·8	24th	..	+1·2	*279·9*	5	− 22
262	Verkhoiansk	67 33	133 23	100	994·8	1007·3	− 1·9	..	294·0	3rd	268·0	256·7	23rd	..	−0·3	*274·9*	1	− 13
263	Oust-Maiskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1006·3	1009·5	− 2·5	280·4	288·3	10th	270·5	259·6	22nd	275·5	+0·1	..	25	− 3
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

SEPTEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	285·5	291·9	1st	279·1	271·9	26th	282·3	..	..	196	..
302	St. Paul Island	57 15	170 10	6·1	..	1004·4	− 1·5	281·2	283·6	12th	277·3	272·4	28th	279·3	..	..	70	− 59
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1007·1	− 0·5	284·9	293·0	6th	278·8	275·2	20th, 22nd	281·8	+0·1	*281·4*	99	..
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	− 37
306	Kodiak (Radio)	57 47	152 22	6·1	..	1004·4	− 1·7	283·4	286·9	sev. dates	278·2	274·1	sev dates	280·8	..	*280·9*	90	..
309	Sitka	57 3	135 19	27·4	..	1009·5	− 1·5	287·9	294·1	1st	280·2	277·4	23rd, 30th	284·0	+0·2	*283·8*	254	− 25
310	Prince Rupert	54 18	130 18	51·8	1005·3	1011·6	− 2·6	289·1	300·2	1st	280·8	277·4	9th, 24th	284·9	+0·6	*284·7*	179	− 6
311	Barkerville	53 2	121 35	1274	870·8	..	..	285·2	291·3	20th, 21st	274·1	267·4	3rd	279·7	−0·9	*279·3*	84	− 18
312	Kamloops	50 42	120 29	385	973·4	1018·7	+ 0·5	295·2	303·6	15th	280·8	275·2	4, 27, 28	288·0	+0·3	*287·9*	6	
313	Calgary	51 2	114 2	1045	896·4	..	..	291·3	303·0	16th	277·4	271·9	5th	284·4	+1·1	*283·4*	24	− 9
314	Fort Chipewyan	58 42	111 10	218	986·6	1012·7	..	289·1	298·0	13th	276·9	266·9	25th	283·0	+2·7	*283·5*	9	− 37
315	Prince Albert	53 10	106 0	442	963·6	1015·6	+ 2·7	293·0	304·7	22nd	277·4	269·7	9th, 26th	285·2	+2·5	*284·7*	20	− 14
316	Qu'Appelle	50 30	103 47	645	940·0	1014·9	+ 0·7	293·0	305·2	23rd	278·0	268·6	9th	285·5	+1·4	*284·3*	20	− 20
317	Minnedosa	50 15	99 50	515	956·2	1016·7	+ 3·0	293·0	305·8	22nd	278·0	268·0	10th	285·5	+1·4	*284·5*	25	− 15
318	Berens River	52 18	97 23	216	..	..	..	291·5	301·9	25th	278·9	270·2	30th	285·2	0·0	..	58	− 1
318*a*	Port Nelson	57 4	92 36	14·9	1012·8	1014·6	..	286·3	296·3	16th, 17th	276·9	270·8	30th	281·6	..	..	69	
319	Fort Hope	51 33	87 49	‡260	985·4	1018·3	..	288·6	300·8	24th	277·4	271·9	9th	283·0	+0·9	*282·5*	53	− 4
320	Moose Factory	51 14	80 30	9·1	1016·9	1018·0	+ 2·5	289·1	?298·0	18th	279·1	?272·4	13th	284·1	+0·1	..	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	..	..	..	283·6	277·4	15th, 21st	..	..	..	30	..
322	Mistassini Post	50 15	73 55	383	..	..	..	287·6	295·8	18th	277·7	271·9	8th	282·7	..	..	85	..
323	Hebron	58 12	62 21	15·0	1010·6	1012·4	+ 4·7	..	..	..	276·1	271·6	..	..	..	*278·9*	53	..
324	Natashquan	50 8	61 48	?	..	..	..	283·0	290·8	2nd	275·8	270·8	15th	279·4	..	..	32	− 100
326	Belle Isle	51 53	55 23	133	993·1	1009·3	− 2·9	284·1	290·8	2nd	276·3	271·9	22nd, 23rd	280·2	−0·7	*280·5*	44	
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1015·5	1017·2	+ 1·6	288·8	290·2	5th	284·3	280·2	10th, 19th	286·6	−0·1	286·7	55	− 50
335	Aberdeen	57 10	2 6	26·8	1007·3	1010·6	− 2·9	288·9	293·0	4th	281·9	278·0	18th	285·4	+0·7	285·5	45	− 11
336	Greenwich	51 28	W 0 0	46·3	1013·2	1018·7	+ 2·7	293·3	296·9	8th	283·5	278·0	30th	288·4	+0·8	287·8	43	− 2
337	Uccle	50 48	E 4 22	100	1007·0	1019·0	+ 2·6	293·8	300·2	6th	282·9	277·0	30th	288·3	+0·4	288·2	16	− 54
338	De Bilt	52 6	5 11	3·0	1018·1	1018·5	+ 2·7	292·6	298·6	7th	283·6	276·6	30th	288·1	+0·6	287·6	37	− 22
338*a*	Hamburg	53 33	9 58	26·0	1013·9	1017·0	+ 0·9	291·4	297·0	7th	284·4	280·4	30th	287·9	+0·6	*287·7*	56	− 5
339	Copenhagen	55 41	12 36	5·0	1013·0	1013·6	− 1·7	289·3	292·4	26th	284·8	280·5	30th	287·1	+0·9	*286·9*	46	− 6
340	Potsdam	52 23	13 4	84·9	1007·9	1018·1	+ 1·3	294·2	301·4	26th	283·4	276·8	30th	288·8	+2·2	288·2	13	− 10
340*a*	Upsala	59 51	17 38	24·0	1004·0	1006·9	− 5·5	289·4	292·1	3rd, 4th	280·1	272·1	30th	284·7	+1·1	284·6	39	− 30
341	Warsaw	52 13	21 1	133	1002·0	1017·9	+ 1·0	293·0	300·8	9th	283·0	278·3	25th	288·0	+1·1	287·8	13	+ 13
342	Jurjev	58 23	26 43	74·5	999·6	1008·6	− 5·6	288·7	294·6	27th	280·5	274·4	30th	284·6	+0·5	284·1	65	
343	Petrograd	59 56	30 16	4·8	1004·7	1005·3	− 7·7	287·1	294·6	2nd	281·9	277·1	30th	284·5	+0·6	*284·3*	100	− 47
344	Kiev	50 27	30 30	183	995·8	1017·7	+ 0·5	292·2	299·3	20th	282·1	276·5	26th	287·2	−0·2	*286·5*	32	− 13
344*a*	Moscow	55 50	37 33	167	990·3	1010·4	− 5·6	288·2	298·9	1st	280·9	274·2	18th	284·6	+0·5	*284·4*	77	+ 22
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1002·0	1011·6	− 2·6	290·8	304·8	3rd	282·4	274·9	22nd	286·6	+1·8	*285·8*	47	+ 6
347	Orenburg	51 45	55 6	109	1003·1	1016·3	0·0	293·3	302·0	5th	280·4	273·1	11th	286·8	+0·6	*286·4*	24	− 5
348	Perm	58 1	56 16	163	991·2	1010·8	− 2·6	289·2	301·0	4th	280·9	275·4	10th	285·0	+2·5	*284·6*	72	+ 13
349	Ekaterinburg	56 49	60 38	281	977·6	1011·1	− 3·6	289·3	299·4	5th	279·6	273·6	28th	284·4	+2·3	*284·1*	53	+ 17
350	Tobolsk	58 12	68 14	?108	998·2	1011·2	− 3·3	290·8	301·5	3rd	280·0	273·3	23rd	285·4	+3·3	*285·3*	43	− 3
351	Akmolinsk	51 12	71 23	?347	975·9	1017·2	− 0·6	..	300·6	9th	278·0	271·5	16th	..	+1·2	*285·4*	6	− 21
352	Omsk	54 58	73 23	87·9	1002·7	1013·3	− 2·9	..	300·0	5th	279·4	274·6	2nd	..	+2·1	*285·7*	33	+ 0
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	− 5
354	Tomsk	56 30	84 58	122	999·2	1014·0	− 2·3	..	295·5	5th	279·4	273·5	8th, 9th	..	+1·8	*283·7*	35	+ 5
355	Minousinsk	53 43	91 41	249	987·2	1017·1	− 1·3	..	295·0	11th	277·9	273·6	9th, 27th	..	..	*284·1*	33	− 7
356	Eniseisk	58 27	92 10	77·6	1005·1	1014·6	− 2·5	..	292·2	28th	277·1	267·8	9th	..	+1·0	*282·2*	33	− 24
357	Irkutsk	52 16	104 19	467	961·8	1017·7	− 1·0	..	295·5	29th	274·3	267·6	12th	..	−0·9	*280·7*	19	+ 11
358	Kirensk	57 47	108 7	263	984·8	1016·7	− 0·7	..	291·9	24th	274·4	270·4	24th	..	0·0	*280·1*	55	− 6
359	Tchita	52 2	113 30	687	933·1	1014·0	− 1·2	..	292·7	30th	272·8	268·0	23rd	..	−1·2	*280·1*	24	− 14
360	Blagoveshchensk Priisk	58 10	114 19	490	..	..	..	..	..	..	..	..	..	..	..	..	..	
360*a*	Nertchinskii Zavod	51 19	119 37	626	941·0	1014·5	− 0·2	..	293·3	9th	274·5	267·2	23rd	..	0·0	*281·8*	31	
361	Tygan Ourkan	54 5	124 46	379	966·6	1011·9	..	289·7	295·6	10th	272·3	267·6	24th	281·0	..	*280·9*	115	+ 5
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	995·2	1012·2	+ 0·2	291·8	296·7	29th	279·4	274·5	24th	285·6	+0·2	*285·2*	79	..
363	Paikanskii Sklad	50 11	130 7	145	994·8	1012·3	..	291·1	295·8	29th	275·7	268·6	22nd, 24th	283·4	..	*283·1*	50	− 22
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1009·0	1011·5	+ 0·7	..	294·6	4th, 10th	278·0	268·7	25th	..	+0·4	*284·3*	44	+ 36
366	Okhotsk	59 21	143 12	6·0	1008·0	1008·7	− 2·9	286·1	290·5	11th	277·3	272·5	30th	281·7	+1·1	*281·8*	85	
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1007·6	1009·2	− 0·4	288·1	291·3	20th	279·1	275·9	20th	283·6	..	*283·2*	40	..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	1010·1	+ 1·0	284·1	286·9	16, 17, 27	..	..	..	..	..	..	199	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

SEPTEMBER—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·8	1017·3	+ 0·8	289·7	297·4	1st	283·0	280·8	20th	286·3	+0·5	285·7	27	− 24
412	Portland, Oregon	45 32	122 41	46·6	1011·4	1016·6	+ 0·1	294·9	301·3	1st	285·6	283·0	30th	290·3	+0·9	*289·8*	50	+ 5
413	Macleod				..	..	..	291·7	302·4	17th	277·2	268·6	29th	284·4	−0·4	*284·2*	29	− 4
414	Helena	49 44	113 24	953	875·3	1015·9	+ 0·8	294·4	301·9	21st	280·1	274·7	24th	287·2	+0·8	*287·1*	37	+ 5
414*a*	Salt Lake City	46 34	112 4	1253	869·5	1015·6	+ 1·8	298·4	305·8	2nd	285·8	278·6	26th	292·1	+0·5	*291·9*	29	+ 6
415	Cheyenne	40 46	111 54	1329	817·1	1016·6	+ 2·6	295·2	302·4	3rd	280·3	274·7	26th	287·8	+1·1	*288·1*	14	− 14
415	North Platte	41 8	104 48	1856	920·2	1018·6	+ 3·5	297·5	306·9	4th	283·6	275·8	20th	290·6	0·0	*290·3*	68	+ 31
416	Bismarck	41 8	100 45	859	958·5	1018·9	+ 3·8	294·3	305·2	23rd	280·2	271·9	9th, 30th	286·1	+1·2	*285·3*	44	+ 11
417	Winnipeg	46 47	100 38	511	980·8	1017·5	+ 2·7	291·9	300·2	23rd	280·2	271·9	10th	285·0	−0·6	*285·2*	55	− 40
418	Duluth	49 53	97 7	232	978·1	1019·6	+ 4·2	289·5	298·6	17th	280·6	272·4	10th	285·0	−0·6	*285·2*	55	− 40
		46 47	92 6	345														
419	Port Arthur	48 27	89 12	196	994·9	1018·5	+ 2·6	289·1	296·3	18th	279·7	270·8	10th	284·4	−0·2	*284·1*	45	− 38
420	Chicago	41 53	87 37	251	990·3	1020·3	+ 2·9	293·9	303·0	1st	287·3	280·2	11th	290·6	−0·7	*290·6*	55	− 22
421	Toronto	43 40	79 24	116	1006·1	1020·1	+ 2·2	293·6	300·2	1st	281·9	275·2	11th	287·7	−0·4	287·0	17	− 64
422	New York (Central Park)	40 46	73 58	30·2	1015·9	1019·5	+ 0·5	295·0	301·9	20th	286·1	279·1	11th	290·6	−2·1	290·4	68	− 22
423	St. John, N.B.	45 17	66 4	36·2	1013·2	1017·6	+ 0·1	290·2	298·6	27th	280·8	274·7	23rd	285·5	−0·8	285·2	31	− 94
424	S.W. Point, Anticosti	49 24	63 33	9·1	1012·9	1014·0	0·0	283·6	288·6	1st, 2nd	278·0	274·1	22nd, 23rd	280·8	−1·5	*281·2*	36	− 34
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1018·7	1019·6	+ 1·8	291·3	296·3	3rd	286·3	282·4	9th	288·8	+0·5	*288·7*	109	+ 23
425	Port aux Basques	47 35	59 10	9·1	1014·2	1015·3	− 0·2	288·0	292·4	3rd	280·8	274·1	16th	284·4	+0·1	*284·4*	54	− 58
426	St. John's, Newfoundland	47 34	52 42	38·1	1007·8	1012·4	− 1·5	290·8	296·3	3rd	281·3	276·3	15th, 16th	286·1	+1·1	*285·9*	107	+ 15
435	Madrid	40 24	3 41	655	944·2	1018·4	+ 1·6	305·8	311·0	2nd	285·5	279·6	8th	295·7	+2·9	293·8	45	+ 9
436	Nantes	47 15	W 1 34	36·5	1016·0	1020·4	+ 3·2	294·3	300·5	16th	284·5	278·2	22nd	289·4	+0·2	289·0	21	− 26
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1014·5	1020·6	+ 3·1	294·7	299·8	19th	283·3	279·8	3rd, 22nd	289·0	+0·9	288·6	27	− 26
438	Marseilles	43 18	5 23	74·8	1010·0	1018·9	+ 2·7	299·4	302·3	11th	287·3	284·9	2nd, 14th	293·4	+0·8	292·7	98	+ 74
438*a*	Zürich	47 23	8 33	493	963·7	1021·1	+ 2·3	296·3	301·6	19th	284·4	280·4	13th, 14th	290·3	+2·0	289·3	59	− 46
439	Rome	41 54	12 27	45	995·4	1019·4	+ 1·8	295·0	302·7	12th	290·4	287·9	15th	295·5	+1·5	*295·3*	21	− 50
440	Vienna	48 15	16 22	203	1004·3	1019·6	+ 2·1	299·4	308·2	20th	284·8	280·8	23rd	289·9	+1·8	289·8	13	− 31
440*a*	Buda-Pesth	47 31	19 1	130	..	..	..	..	..	20th	284·3	279·5	26th	291·8	+2·0	*290·9*	22	− 33
441	Monastir	41 1	21 23	617	1009·8	1019·6	+ 2·1	299·9	307·0	19th	284·2	279·9	27th	292·0	+1·2	291·5	11	− 32
442	Bucharest	44 25	26 5	82														
443	Odessa (University)	46 29	30 44	65·3	1011·4	1019·3	+ 1·6	294·9	301·2	19th	286·0	280·7	16th	290·4	+0·1	*290·0*	14	− 18
444	Kharkov (University)	50 0	36 14	140	999·9	1016·7	− 1·3	292·1	297·7	1st	281·8	276·3	8th	287·0	−0·1	*286·2*	55	+ 23
444*a*	Novorossiisk	44 44	37 49	37·1	1012·3	1016·7	+ 0·3	297·2	301·7	4th	288·1	283·2	18th	292·6	−0·1	*291·8*	43	− 12
445	Tiflis	41 43	44 48	404	969·2	1015·7	− 1·0	299·4	306·6	2nd	288·1	281·8	27th	293·8	+0·4	*292·9*	40	− 10
446	Astrakhan	46 21	48 2	−13·8	1019·0	1017·4	+ 0·2	296·5	303·6	2nd	287·3	282·7	27th	291·9	+0·9	*291·3*	26	+ 12
447	Fort Alexandrovsk	44 30	50 16	24	1012·7	1015·5	− 2·2	..	305·6	2nd	288·2	280·2	28th	..	+1·5	*293·3*	6	− 9
448	Krasnovodsk	40 0	52 59	−14·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	57·0	1011·8	1018·6	+ 0·6	296·8	305·1	6th, 7th	283·7	278·1	15th	290·2	+1·2	*290·6*	0	..
450	Tachkent	41 20	69 18	479	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 0	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	?825	919·6	1013·0	− 1·4	297·2	304·2	20th	283·8	277·0	3rd	290·5	..	*289·6*	7	..
461	Mukden	41 48	123 23	43·8	1009·7	1014·9	+ 1·2	296·7	302·8	1st	284·0	279·9	30th	290·3	+0·1	289·6	53	− 38
462	Joshin	40 40	129 11	4·0	1014·7	1015·2	+ 1·6	295·4	302·5	6th	287·3	282·5	30th	291·3	+0·7	291·3	236	+116
463	Yuki	42 20	130 24	65·6	1007·4	1015·3	..	294·7	301·7	1st	285·6	280·1	24th	290·1	..	290·1	146	..
464	Vladivostok	43 7	131 55	6·6	1000·0	1015·3	+ 1·0	292·9	300·1	1st	285·9	280·7	24th, 25th	289·4	−0·4	289·2	326	+214
465	Ochiai	47 20	142 44	26·7	1013·0	1013·8	+ 0·7	291·2	294·5	4th	279·2	270·5	25th	285·2	+0·1	285·4	62	− 52
466	Nemuro	43 20	145 35	39·3	1012·9	1016·1	+ 2·2	291·2	297·3	1st	284·7	281·1	25th	287·9	−0·3	287·8	78	− 62
466*a*	Syana	45 14 N.	147 53 E.		1011·2	1015·9	+ 1·6	289·6	296·7	1st	280·9	273·3	27th	285·3	−0·6	285·5	57	− 29

SEPTEMBER—ZONE 5 (Western Half).

Between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1009·2	1014·9	+ 0·7	295·5	307·4	15th	286·1	282·4	20th	290·8	+1·9	*290·1*	1	− 9
512	San Luis Obispo	35 18	120 39	61·3	1007·4	1014·5	+ 0·5	300·4	309·7	27th	285·3	282·4	17th	292·9	+1·9	*291·5*	0	− 7
513	San Diego	32 43	117 10	26·5	1009·6	1012·5	+ 0·2	296·6	306·3	28th	289·6	287·4	26th	293·1	+0·3	*292·7*	0	− 2
514	Modena	37 48	113 54	1670	836·2	1015·2	+ 2·3	298·4	304·1	4th	279·1	272·4	16th	288·7	+0·4	*288·8*	20	− 6
515	Santa Fé	35 41	105 57	2138	791·7	1014·2	+ 1·1	296·3	301·9	3rd	283·7	275·2	27th	290·0	+0·6	*289·5*	16	− 23
516	Denver	39 45	105 0	1613	840·8	1016·6	+ 2·4	298·7	306·3	3rd	283·7	278·0	26th	291·2	+1·1	*291·2*	15	− 11
517	Abilene	32 23	99 40	530	955·8	1015·9	+ 1·3	304·2	308·6	7th	290·9	280·8	28th	297·6	0·0	*296·4*	38	− 30
518	Saint Louis	38 38	90 12	173	998·3	1018·6	+ 1·4	298·6	305·8	2nd	288·6	279·1	11th	293·6	−0·7	*293·4*	89	+ 8
519	Mobile	30 41	88 2	17·4	1013·5	1015·6	− 0·2	302·2	306·9	3rd	293·5	287·4	13th	297·9	−0·8	*297·0*	175	+ 39
520	Nashville	36 10	86 47	166	999·4	1019·3	+ 1·5	299·8	305·2	6th	288·8	280·8	12th	294·3	−0·6	*294·3*	38	− 51
521	Charleston	32 47	79 56	14·6	1015·5	1017·3	− 0·2	299·3	306·9	9th	292·7	287·4	12th	296·0	−1·5	*296·2*	59	− 70
522	Washington	38 54	77 3	34·1	1015·9	1020·0	+ 1·2	295·7	303·6	2nd	285·7	277·4	11th	290·7	−2·9	*290·2*	34	− 52
523	Bermuda	32 18	64 46	46·0	1011·9	1017·2	0·0	301·2	303·3	1st	295·7	293·6	4th	298·5	−0·1	*298·4*	201	+ 76
524	Santa Cruz (Flores)	39 27	31 9	28	1020·0	1023·1	+ 0·8	296·8	299·1	22nd	291·8	289·5	20th	294·3	+0·3	*294·2*	231	+129
530	Horta	38 32	28 38	65	1015·6	1022·9	+ 1·8	296·6	299·2	11th	291·3	289·3	25th	293·9	−0·6	293·6	99	+ 4
531	Ponta Delgada	37 44	25 40	22	1020·7	1022·5	+ 1·5	295·4	297·5	3rd	291·2	288·8	14th	293·3	−0·5	293·3	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
532*a*	Madeira (Funchal)	32 37	16 54	25	1017·9	1020·8	+ 1·7	297·3	305·7	20th	291·8	290·2	6th	294·6	−0·5	*294·6*	235	+131
533	Lisbon	38 43	9 9	95	1007·8	1019·0	+ 1·8	300·4	306·5	15th	290·3	287·9	2nd	295·4	+1·7	*294·6*	1	− 28
534	Gibraltar	36 6	5 21	10·2	1016·9	1018·7	+ 1·2	299·0	301·9	1st	291·0	288·6	13th, 14th	295·4	−0·1	*295·2*	0	− 37
535	Melilla	35 18	2 59	8	‡1018·8	‡1019·7	0·0	301·5	304·2	5th	291·7	289·2	8th	296·6	−1·1	*298·9*	0	− 35
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

SEPTEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 38	23	1015·4	1018·1	+ 0·5	302·5	305·6	25th	291·3	288·4	16th, 25th	296·9	+0·8	..	4	− 51
538	Algiers (Bouzaréah)	36 48	3 2	344	979·1	1018·6	+ 2·2	301·5	312·2	11th	292·8	291·1	7th	297·1	+2·1	296·2	0	− 28
539	Tunis	36 48	10 10	33	‡1013·0	‡1016·8	+ 0·2	305·1	317·6	10th	292·4	287·9	30th	298·8	+1·5	298·1	1	− 25
539a	Malta	35 53	14 31	56·4	..	1018·5	+ 0·9	301·1	305·0	2nd	295·2	290·5	30th	298·1	+1·1	297·4	43	+ 13
540	Riposto	37 41	15 14	14·2	..	1019·5	+ 1·7	300·5	302·8	1st	293·9	292·0	6th	297·2	−0·2	296·2	17	− 43
541	Athens	37 58	23 43	107	1004·2	1016·7	+ 1·9	301·4	307·3	22nd	292·5	288·2	17th	296·9	+0·5	296·7	0	− 15
542	Alexandria	31 12	29 53	32·0	1009·5	1013·1	− 0·6	301·8	305·0	1st	295·3	292·8	28th	298·5	+0·1	298·0	0	− 1
543	Cairo (Helwan)	29 52	31 20	116	998·3	1011·7	− 0·5	304·3	309·6	1st	292·5	290·1	22nd, 30th	298·4	−0·8	297·7	0	0
544	Nicosia (P.W.D.)	35 9	33 22	159	991·7	1009·5	− 1·2	305·2	309·1	1st, 4th	290·6	286·9	27th	297·9	−0·7	..	11	+ 6
544a	Beirut	33 54	35 28	33·7	..	1009·8	− 1·4	302·4	304·6	9th	295·7	292·9	18th	299·0	−0·2	298·9	6	− 1
545	Baghdad	33 21	44 28	38·7	..	..	..	313·2	318·9	7th	294·6	287·9	21st	303·9	−0·2	303·4	0	0
546	Busrah	30 31	47 53	7·6	1003·5	1004·6	− 2·6	314·2	320·0	6th	294·6	288·1	21st	304·4	+0·7	..	0	− 5
546a	Lenkoran	38 46	48 51	−19·3	1017·4	1015·1	− 0·9	..	302·3	1st	290·4	286·2	23rd	..	+0·5	295·0	64	−118
547	Teheran	35 41	51 25	1220	..	..	..	304·7	308·9	19th	291·1	288·8	24th	297·9	−0·1	297·7	0	− 2
548	Meshed	36 16	59 35	946	..	..	..	303·1	307·1	19th, 20th	281·4	277·7	26th	292·2	+0·2	..	0	− 1
549	Seistan	31 0	61 30	?	..	..	..	306·5	309·6	11th	292·3	284·5	27th	299·4	..	..	0	..
550	Quetta	30 11	67 3	1677	830·0	..	− 1·9	302·7	305·6	9th	286·4	279·5	24th	294·6	+1·8	294·4	10	+ 8
551	Peshawar	34 2	71 37	339	967·3	1005·0	− 1·0	306·9	310·8	11th	296·7	291·0	30th	301·8	+0·4	301·2	86	+ 67
551a	Lahore	31 34	74 20	214	980·4	1004·4	− 0·6	304·1	309·1	1st	297·3	292·4	30th	300·7	−2·3	300·0	260	+197
552	Simla	31 7	77 8	2205	779·8	..	− 0·9	290·2	292·6	10th	286·9	284·7	29th	288·6	−0·7	288·4	431	+285
552a	Leh	34 10	77 42	3503	666·5	..	− 0·8	293·7	297·8	11th	280·7	274·8	30th	287·2	+0·9	286·0	27	+ 20
559	Hankow	30 35	114 17	37·0	1009·5	1013·7	+ 0·3	302·1	310·2	2nd	294·1	288·4	23rd	298·1	+0·8	297·8	13	− 43
560	Tientsin	39 10	117 10	5·0	1015·0	1015·6	+ 0·8	297·4	304·6	1st	290·6	285·8	24th	294·0	−0·3	293·7	68	+ 20
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1011·9	− 0·4	302·4	308·7	6th	294·0	287·4	30th	298·2	+1·5	297·3	52	− 62
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1006·0	1014·0	+ 1·3	297·5	301·8	5th	289·7	285·4	25th	293·6	0·0	293·3	147	+ 43
562a	Nagasaki	32 44	129 52	133	997·8	1013·2	+ 1·8	301·2	305·3	2nd	294·9	291·4	30th	298·0	+1·0	297·4	195	− 23
563	Kioto	35 1	135 44	42·9	1008·9	1013·9	+ 2·1	301·5	305·1	3, 7, 12	292·2	287·6	19th	296·9	+1·1	296·2	320	+116
564	Tokio	35 41	139 45	21·3	1012·6	1015·1	+ 1·9	298·4	304·7	8th	292·4	288·4	20th	295·4	+0·1	295·0	255	+ 29
565	Kanayama	37 53	140 46	24·6	1012·2	1015·1	+ 1·5	296·5	306·1	7th	290·0	286·0	23rd	293·3	+0·5	292·9	382	+155
566	Miyako	39 38	141 59	30·4	1011·8	1015·4	+ 2·0	295·7	304·3	7th	288·8	283·8	22nd	292·3	+0·4	291·7	264	+ 58

SEPTEMBER—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1016·1	1017·4	+ 1·7	301·7	302·4	..	295·8	294·1	..	298·8	+0·3	298·7	17	− 29
614	La Paz	24 10	110 20	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	823·1	..	+ 1·5	..	300·2	3rd	..	279·1	30th	..	−0·2	292·1	88	− 37
616a	Monterry	25 40	100 19	535	956·0	1016·2	..	..	307·0	6th	..	289·8	29th	..	..	297·6	103	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	296·0	..	..	283·5	..	..	+1·4	290·7	33	− 53
618	Galveston	29 18	94 50	16·5	1014·1	1016·2	+ 1·1	302·1	306·3	10th	296·5	292·4	28th	299·3	−0·2	299·1	91	− 58
618a	New Orleans	29 58	90 4	16·2	..	1015·2	+ 0·1	302·6	306·3	9th	294·8	291·3	25th	298·7	−0·6	298·0	68	− 66
619	Merida, Yuc	20 58	89 41	22	1010·6	1013·1	..	..	306·2	20th	..	295·2	2nd	..	..	‡300·3	77	− 30
620	Havana	23 8	82 21	24·3	..	1013·6	0·0	303·3	304·9	9th	297·0	295·6	13th, 14th	300·1	+0·2	299·8	118	+ 44
620a	Key West	24 33	81 48	6·7	1012·6	1013·2	− 0·8	303·4	304·7	6th	297·8	295·8	1st	300·6	−0·6	300·5	213	−114
621	Nassau, Bahamas	25 5	77 21	3·7	..	1015·1	+ 0·2	303·7	305·2	5th, 11th	297·7	294·1	25th	300·7	+0·1	300·9	78	..
622	Watling Island	24 6	74 26	33·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
633	Izaña	28 19	16 30	2367	773·7	..	..	293·3	298·3	4th	284·9	277·6	9th, 30th	289·1	..	288·0	0	− 9
634	La Laguna	28 28	16 20	547	955·0	1017·1	− 1·1	300·8	310·0	21st	288·8	284·7	11th	294·8	+1·1	294·0	3	..
637	Insalah	27 8	W 2 27	?280	..	..	..	314·0	317·6	7th, 9th	296·3	293·8	28th	305·2	−0·9	304·5	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	996·7	1008·0	− 0·5	311·7	315·4	2nd	296·1	293·4	18, 27, 30	303·9	−0·4	303·0	..	..
644	Tor	28 14	33 37	1·9	1007·1	1007·3	− 1·2	303·8	310·1	1st	295·5	290·0	28th	299·7	0·0	299·5	..	..
647	Bushire	28 59	50 53	4·3	1002·6	1003·2	− 2·6	307·4	313·7	7th	299·2	294·0	24th	303·3	−0·1	302·8	0	0
648	Jask	25 44	57 47	4·0	1003·4	1003·8	− 2·3	306·8	311·2	30th	298·8	295·6	28th	302·8	−0·8	302·3	0	0
649	Robat	29 45	60 55	?	904·3	..	..	309·6	312·9	18th	290·6	285·2	30th	300·1	..	..	0	..
649a	Karachi	24 53	66 57	4·0	1004·0	1004·5	− 2·2	302·2	303·5	29th	297·6	296·1	6th	299·9	−0·2	299·4	38	+ 27
650	Hyderabad, Sind	25 24	68 18	29·3	999·8	1003·0	− 2·2	306·9	309·7	29th	298·3	296·9	26th, 30th	302·6	−0·8	302·1	87	+ 75
650a	Jacobabad	28 17	68 29	56·7	996·7	1003·0	− 1·3	308·4	314·1	1st	299·7	296·0	30th	304·1	−1·2	303·5	122	+120
651	Jaipur	26 56	75 52	436	956·3	1004·5	− 2·1	303·3	306·1	2nd	296·4	294·2	30th	299·9	−2·1	298·9	365	+278
652	Nagpur	21 8	79 5	310	970·3	1004·7	− 1·5	303·2	305·9	29th	296·2	295·1	18th	299·7	−0·7	299·0	477	+260
653	Allahabad	25 25	81 51	94·1	993·6	1004·2	− 1·1	304·4	308·3	7th	298·4	295·8	20th	301·4	−0·6	300·7	274	+137
653a	Darjiling	27 3	88 18	2266	776·2	..	0·0	292·3	295·9	7th	286·4	284·9	22nd	289·3	+0·6	289·1	557	+ 88
654	Calcutta	22 36	88 23	6·4	1005·0	1005·7	0·0	304·0	306·2	6th	298·5	297·0	18th	301·3	−0·1	301·1	205	− 57
655	Gauhati	26 8	91 41	59·7	1001·4	1008·1	+ 1·2	304·8	307·9	6th, 7th	297·8	295·9	19th	301·3	−0·2	300·4	292	+136
655m	Cherrapunji	25 15	91 42	1314	867·0	..	+ 0·2	295·9	300·4	6th	290·8	289·1	25th	293·4	−0·3	292·8	548	−343
655a	Akyab	20 11	92 56	6·1	1006·6	1007·3	− 0·3	302·9	305·0	28th	296·9	295·4	24th	299·9	−0·9	299·8	610	+ 58
656	Mandalay	21 59	96 0	76·2	1000·8	1009·4	+ 1·2	306·3	309·4	5th, 27th	297·8	296·2	21st	302·1	−0·3	301·3	116	− 39
656a	Tengyueh	24 59	98 35	1633	832·9	..	..	296·5	300·2	5th	288·5	286·3	21st, 28th	292·5	..	291·8	164	..
657	Phu Lien	20 48	106 37	116	995·4	1008·7	+ 1·0	303·0	307·5	2nd	296·6	294·0	22nd	299·8	−0·5	299·3	436	+144
658	Moncay	21 31	107 51	9	1007·9	1008·9	+ 1·5	304·6	308·0	3rd	297·0	295·2	24th	300·8	+0·2	300·1	163	−138
659	Hong Kong	22 18	114 10	33·2	..	1009·2	+ 0·9	303·3	305·2	20th	298·6	296·5	23rd	300·9	+0·9	300·8	124	−130
660	Amoy	24 27	118 4	ca.3	1009·3	1009·6	− 0·1	304·8	307·4	7th	299·6	296·9	30th	302·2	+1·1	301·9	74	− 18
661	Taihoku, Formosa	25 2	121 31	9·3	1008·9	1009·9	+ 0·5	305·0	308·1	2nd	296·2	291·9	30th	300·6	+0·8	300·0	187	− 70
661a	Santo Domingo	20 28	121 59	18·7	..	1006·7	+ 0·4	304·4	305·6	3rd	297·8	295·8	23rd	301·1	+0·3	300·9	187	−100
662	Naha	26 13	127 41	10·5	1008·7	1009·9	+ 0·9	304·1	306·0	4th	296·9	295·1	20th, 23rd	300·5	+0·4	300·1	212	+ 31
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1014·1	1014·5	+ 2·7	303·4	304·6	9th	296·5	291·6	14th	299·9	−0·5	299·3	130	+ 8
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

SEPTEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 14	103 47	507	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 12	1939	809·5	..	..	..	298·0	27th	..	279·8	30th	..	..	289·8	45	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·7	1011·5	+ 0·7	295·1	297·0	13th	283·1	274·8	30th	289·1	−0·5	288·0	78	− 26
718	Oaxaca	17 3	96 45	1563	?847·0	..	+ 0·8	..	301·4	25th	..	283·8	28th	..	..	292·6	51	− 77
718g	Salina Cruz	16 12	95 12	56·3	1005·3	1011·8	..	304·5	306·1	19th	296·6	294·4	15th	300·6	..	300·1	12	..
719	San Salvador	13 42	89 12	‡665	937·5	1011·9	+ 1·2	306·2	310·5	30th	291·5	290·4	15th	298·9	−0·1	296·0	293	+ 9
720	Belize	17 29	88 12	5·2	1012·3	1012·8	+ 2·6	303·8	305·5	24th	296·9	295·2	11, 14, 30	300·4	−0·5	299·9	106	−129
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·3	+ 0·3	303·1	304·9	9th	295·8	294·3	10th	299·5	−0·4	299·1	186	− 5
722	Port au Prince	18 34	72 22	37·4	1008·7	1013·0	+ 0·3	304·8	306·6	30th	295·5	294·1	3rd	300·2	−0·7	299·5	242	+ 41
723	Caracas	10 30	66 55	‡1010	900·6	..	+ 0·2	298·4	301·4	18th	288·2	286·8	26th	293·3	−0·2	?293·3	90	− 3
724	Montserrat	16 41	62 9	39·6	1009·0	1013·5	− 0·2	303·7	304·7	2, 11, 17	296·1	294·1	3, 4, 8	299·9	..	299·4	334	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	993·7	1011·6	− 0·2	302·8	305·8	20th	296·8	294·1	29th	299·8	0·0	299·2	175	− 30
725	Barbados	13 8	59 36	55·2	..	1012·8	− 0·1	302·7	303·9	17th	295·8	293·9	26th	299·2	−0·2	299·5	170	− 17
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1011·2	1012·4	− 0·7	301·4	303·6	24th	296·1	294·2	29th	298·8	−0·3	299·3	23	− 28
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1007·7	1012·3	− 1·0	302·3	303·4	4th	297·6	296·2	23rd	299·9	0·0	300·2	152	+ 44
733	Bathurst	13 24	16 36	1·5	..	1013·2	+ 0·8	302·6	304·1	sev. dates	..	..	..	..	−0·6	300·6	292	+ 36
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	306·8	308·6	3, 5, 7	288·7	286·3	27th, 28th	297·7	−2·2	..	264	+ 77
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	310·9	313·6	24th	297·0	293·5	28th	304·0	−1·7	303·0	14	..
737	Sokoto	13 2	E 5 14	353	..	..	..	306·7	310·2	28th	295·1	288·6	18th	300·9	+0·6	300·1	98	− 9
738	Kaduna Capital	10 32	7 25	637	944·9	1016·5	+ 1·7	300·9	303·6	30th	292·0	290·2	29th	296·5	−0·9	295·8	325	+ 65
739	Katagum	12 17	10 22	30·7	..	..	..	306·1	309·1	27th	294·7	293·0	3, 9, 29	300·4	−0·5	299·6	95	+ 21
740	Maiduguri	11 47	13 11	361	..	..	..	306·7	310·8	29th	295·0	292·4	29th	300·8	−0·2	300·1	128	+ 15
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	25	..
743	El Obeid	13 11	30 14	569	946·3	1009·6	+ 0·5	305·5	309·0	9th	292·3	289·7	16th	298·9	−0·9	298·8	73	− 14
743a	Khartoum	15 37	32 33	390	964·6	1007·8	+ 0·3	310·5	313·4	13th	297·8	294·7	28th	304·1	−1·1	303·9	18	0
744	Port Sudan	19 37	37 13	5·9	1005·0	1005·6	− 1·7	311·5	318·0	4th	299·6	295·0	26th	305·5	+0·6	304·9	0	0
745	Berbera, Somaliland	10 22	45 2	9·2	1006·2	1007·2	0·0	313·3	315·8	4, 16, 25	302·9	299·1	29th, 30th	308·1	+1·6	307·6	0	− 1
746	Aden	12 45	45 3	28·7	1002·1	1005·3	− 2·6	306·4	310·0	14th	299·7	297·5	3rd, 9th	303·1	−1·1	302·7	0	− 4
751	Bombay	18 54	72 49	11·3	1005·4	1006·6	− 2·9	301·9	304·3	25th	297·9	296·3	4th	299·9	−0·1	299·3	430	+154
751a	Cochin	10 58	76 21	2·7	1009·3	1009·6	− 1·9	301·7	302·9	17th	296·6	295·6	12th, 21st	299·1	−0·4	298·5	426	+205
752	Kodaikanal	10 14	77 28	2343	769·1	..	− 1·2	290·4	293·8	29th	284·2	283·1	12th	287·3	+0·1	287·2	274	+108
752a	Bangalore	12 59	77 38	920	908·0	1008·3	− 1·3	300·1	302·4	19th	292·0	291·0	18th	296·1	−0·1	295·1	274	+102
753	Madras	13 4	80 14	6·7	1006·4	1007·2	− 1·2	305·2	307·5	5th	297·7	296·2	15th	301·4	−0·9	300·9	82	− 49
754	Waltair	17 45	83 16	68·9	997·5	1005·4	− 0·6	303·3	305·5	30th	297·7	295·6	7th	300·5	−0·9	299·9	120	− 62
755	Port Blair	11 40	92 40	17·7	1006·9	1008·9	− 0·5	302·2	303·7	27th	297·3	295·7	4th	299·7	−0·4	299·1	472	+ 1
756	Rangoon	16 46	95 48	5·5	1008·5	1009·2	+ 0·2	302·4	304·7	27th	296·6	295·2	18th	299·5	−0·6	298·6	345	− 52
757	Saigon	10 47	106 42	11·2	1005·9	1007·1	− 0·8	303·7	305·8	17th	296·3	295·4	3, 10, 19	300·0	−0·4	299·5	442	+ 88
758	Nhatrang	12 15	109 12	3·6	1006·1	1006·5	− 0·2	303·1	305·0	10th	296·1	294·7	2nd	299·6	−1·6	299·1	312	+133
759	Bolinao	16 24	119 53	9·7	..	1005·4	− 0·8	305·2	306·7	19th	297·1	296·0	10th	301·1	+0·4	300·2	359	−193
761	Vigan	17 34	120 23	12·2	..	1006·9	0·0	304·6	306·5	1st	296·7	295·8	11th	300·7	+0·4	300·3	299	−220
761a	Manila	14 35	120 59	14·2	..	1007·6	+ 0·1	304·0	306·3	13th	296·6	295·1	20th	300·3	−0·3	299·5	263	−107
762	Ormoc	11 0	124 36	5·6	..	1008·3	+ 0·3	304·6	306·8	17th	295·8	293·4	15th	300·2	−0·2	299·4	192	− 80
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1008·9	+ 1·7	302·4	304·0	25th	296·3	294·6	8th	299·3	−0·9	299·2	685	+285
		N.	E.															

SEPTEMBER—ZONE 8. Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	304·5	306·1	26th	297·2	295·2	13th	300·8	0·0	299·8	8	− 69
821	Colon	9 23	79 23	11·0	..	1011·1	+ 0·8	302·5	305·2	12th	296·6	295·2	3rd	299·6	+0·1	299·2	449	+127
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	45	− 9
822a	Merida, Venez	8 36	71 9	1641	‡ 842·0	..	..	296·5	298·0	23rd	288·3	287·0	27th	292·4	..	291·1	172	..
824	El Peru, Guayanavieja	7 30	62 0	220	? 984·5	?1009·5	− 0·9	302·7	305·9	7th	294·9	293·8	24th	298·8	−0·1	298·3	150	+ 35
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·7	+ 1·3	302·8	303·8	1st, 15th	297·0	295·2	15th	299·9	−0·5	299·8	115	+ 35
826	Paramaribo	5 49	55 9	3·7	..	..	..	303·9	305·6	17th	‡294·0	‡291·5	15th	‡298·9	−0·5	299·1	107	+ 38
826a	Cayenne	4 56	52 21	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
833	Conakry	9 31	13 43	16	1010·7	1012·5	0·0	301·4	303·3	28th, 30th	295·8	293·9	4th	298·6	−0·1	298·2	802	+ 54
834	Freetown, Sierra Leone	8 30	13 9	68·3	1005·6	1013·5	+ 0·9	302·0	304·1	5th, 30th	295·5	293·6	21st, 25th	298·8	−0·4	297·6	780	+ 53
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	91	+ 64
836	Accra	5 33	W 0 12	25·7	..	..	..	303·1	..	..	297·2	..	..	300·1	+2·3	299·7	133	+110
837	Lagos	6 27	E 3 24	1·8	1013·8	1014·0	− 0·5	302·2	306·4	..	296·2	294·1	..	299·2	+0·6	298·8	252	+122
838	Zungeru	9 48	6 10	130	..	..	..	303·2	306·3	12th, 22nd	294·5	293·0	25th, 29th	298·9	0·0	298·3	333	+ 71
838a	Libreville	0 23	9 26	35	..	..	..	303·3	304·9	28th	295·5	292·6	7th	299·4	+1·0	298·9	544	+439
839	Yola	9 12	12 30	259	..	..	..	303·6	307·4	27th, 28th	294·5	292·4	5, 10, 17	299·1	+0·1	298·5	247	+ 61
841	Wau	7 42	28 3	440	959·9	1009·5	− 0·4	304·0	307·5	24th	292·3	291·5	sev. dates	298·1	−0·9	297·3	254	+ 92
843	Mongalla	5 11	31 47	439	961·5	1011·0	+ 1·3	..	..	..	293·5	292·5	sev. dates	..	−0·8	297·3	218	+ 94
843a	Malakal (Kodok)	9 35	31 37	394	?966·2	?1010·9	+ 0·6	?303·7	?306·4	23rd	?294·1	?292·1	16th	?298·9	..	?297·2	292	+168
844	Entebbe	0 5	32 29	1171	883·8	..	− 0·3	299·9	301·3	6, 23, 26	290·4	289·7	9th, 18th	295·2	+0·8	294·1	135	+ 57
845	Harrar	9 42	42 30	1856	..	..	..	297·3	300·0	8, 10, 11	287·3	286·0	20, 24, 26	292·3	−0·2	..	91	− 4
851	Minicoy	8 17	72 49	2·1	1010·6	1010·8	− 1·0	..	..	..	..	..	..	..	..	..	231	+ 57
852	Colombo Observatory	6 54	79 53	7·3	1007·9	1008·7	− 0·9	302·1	303·6	15th	297·1	295·7	25th	299·6	−0·8	299·0	324	+198
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	292·5	296·4	9th	285·6	282·7	18th	289·0	+0·9	288·3	310	+100
854	Trincomalee	8 34	81 14	30·2	1003·0	1006·4	− 0·4	305·7	308·4	4th	297·4	295·4	20th	301·6	−0·5	301·0	142	+ 25
855	Kota Radja	5 32	95 20	7·1	..	1008·6	− 2·2	..	..	..	..	..	..	..	..	..	37	−130
856	Medan	3 35	98 41	25·0	..	1009·0	− 1·4	304·8	308·1	5th	294·6	292·9	5th	299·7	..	298·8	187	− 35
857	Penang	5 34	100 20	5·0	1007·4	1008·0	− 2·1	305·1	306·3	30th	295·3	293·6	2nd	300·2	+0·1	299·6	226	−184
858	Singapore	1 17	103 51	3	1008·6	1008·9	− 1·1	303·9	305·8	11th	296·4	295·2	5th, 6th	300·1	−0·2	299·6	277	+105
859	Sandakan	5 50	118 7	31·7	..	..	..	305·1	306·3	4th	296·3	294·7	18th, 19th	300·7	+0·1	300·1	238	− 1
860	Iwahig	9 44	118 38	4·3	..	1006·6	− 0·5	304·5	306·2	16th	294·6	292·9	11th	299·5	..	298·0	289	..
861	Tagbilaran	9 38	123 51	21·3	..	1008·0	0·0	304·6	306·5	26th	296·2	293·9	8th	300·4	−0·6	299·7	161	+ 6
861a	Menado	1 30	124 50	8·5	..	1008·7	+ 0·1	303·6	306·3	14th	295·8	294·6	11th	299·7	..	299·1	125	+ 42
862	Surigao	9 48	125 29	6	..	1008·1	+ 0·1	303·7	306·0	27th	296·2	295·1	22nd	299·9	−0·9	299·5	64	− 85
863	Yap	9 29	138 8	31·9	..	1008·0	+ 0·9	304·7	307·6	14th	296·8	294·7	28th	300·7	−0·2	299·8	446	+138
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

SEPTEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1012·8	1013·8	+ 2·5	304·2	304·7	sev. dates	296·2	294·7	5, 6, 23	300·2	−1·0	*299·2*	18	− 2
924	Manaos	3 8	60 1	43·8	..	..	..	305·5	308·0	8th	296·6	294·4	20th	301·1	−1·3	*299·9*	61	+ 20
926	Taperinha	2 30	54 42	20·0	1009·2	1011·5	..	305·3	306·8	11th	294·8	293·2	22nd	300·1	..	*298·8*	25	..
927	Turyassu	1 43	45 27	15·1	1010·2	1011·9	− 0·2	305·2	307·1	10th	295·6	293·0	1st	300·4	−0·4	*299·1*	19	+ 8
928	Barra do Corda	5 31	45 16	81·0	1001·5	1010·9	+ 0·1	306·7	308·6	30th	292·2	289·0	1st	299·5	−1·3	*298·5*	3	− 24
929	Quixeramobim	5 16	39 15	207	989·4	1012·9	− 0·3	306·2	307·9	26th	297·4	296·0	3rd	301·8	0·0	*300·8*	2	+ 1
930	Fernando Noronha	3 50	W32 55	106	1002·0	1014·3	− 0·2	300·0	301·3	25th	296·3	295·0	7th	298·1	..	*297·5*	12	+ 5
939	Loanda	8 49	E 13 13	59·3	..	1014·5	+ 0·4	296·1	298·3	22nd	292·4	290·6	14th	294·3	−0·4	293·9	0	− 1
940	Brazzaville	4 17	15 16	290	979·7	1012·7	− 0·1	303·0	308·0	11th, 14th	292·4	290·2	2nd	297·7	−0·5	*297·0*	62	+ 41
943	Masaka	0 21	31 47	?1280	..	..	..	296·8	?300·2	13th, 17th	287·9	?286·9	5, 23, 26	292·4	−0·5	*291·9*	89	+ 12
944	Nairobi	1 14	36 44	1800	..	..	..	295·8	299·1	24th	282·4	279·7	13th	289·1	−1·1	*288·5*	49	+ 19
944a	Zanzibar	6 10	39 11	21·9	1015·1	1017·6	− 0·6	301·5	302·8	9th	296·3	295·6	2nd	298·9	+0·4	*297·6*	52	− 2
945	Lamu	2 16	40 50	3·1	..	..	..	306	306·3	2nd	295·2	294·7	8th	300·6	+1·3	*299·9*	1	− 31
947	Seychelles, Port Office	4 37	55 27	4·6	1011·5	1012·0	− 1·0	300·1	300·9	8th	297·7	296·3	29th	298·9	0·0	*298·4*	101	− 39
957	Padang	0 56	100 22	6·7	..	1010·5	− 0·8	303·4	305·6	11th	295·6	294·0	14th	299·5	..	298·9	338	− 77
958	Batavia	6 11	106 50	8·0	1008·9	1009·8	− 0·9	303·2	304·9	18th	296·1	294·8	16th	299·7	−0·1	299·3	149	+ 75
958a	Pontianak	0 1	109 20	2·6	..	1009·6	− 0·7	303·3	305·7	4th	295·9	295·0	8th	299·6	..	298·6	507	+303
959	Passercean	7 38	112 55	5·0	..	1009·7	− 1·5	304·2	306·0	20th	296·0	293·8	30th	300·1	+0·6	300·2	1	− 7
960	Kajoemas	7 56	114 9	1060	..	..	..	299·2	302·2	30th	291·3	289·2	1st	295·3	..	294·1	13	− 1
962	Ambon	3 42	128 10	4·2	..	1009·7	− 1·3	302·4	303·9	21st	296·3	295·0	4th	299·3	+0·9	298·8	307	+ 88
963	Manokwari	0 52	134 20	19·0	..	1008·5	− 0·8	302·3	304·4	11th	296·3	295·0	17th	299·3	..	299·1	117	+ 2
965	Daru	9 4	143 13	7·6	..	1010·9	− 1·2	302·7	..	..	..	..	..	..	+1·5	‡*301·2*	6	− 39
966	Port Moresby	9 29	147 9	39·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
967																		
968	Rendova	8 30	157 12	1·8	1010·7	1010·9	+ 0·9	..	..	..	..	..	..	..	..	..	..	− 96
969	Tulagi, Brit, Solomon Is.	9 5	160 8	2·1	1011·6	1011·8	+ 1·6	304·1	307·2	26th	297·3	295·8	6th	300·7	+0·6	*300·5*	219	− 94
970	Ocean Island	0 52 S.	169 35 E.	25·6	1005·8	1008·8	+ 0·3	303·9	305·2	11th	297·2	295·8	22nd, 27th	300·6	−0·3	*299·9*	97	− 10
																	83	

SEPTEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1014·7	+ 2·9	302·5	303·2	11th, 12th	295·4	293·3	5th	298·9	+0·1	298·4	81	− 65
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·2	306·3	4th	293·1	291·3	1, 21, 23	297·2	..	*297·0*	116	− 10
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·9	..	+ 0·5	292·6	294·4	1st	280·6	276·8	19th	286·6	−1·1	*285·7*	0	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	291·3	292·2	28th	284·2	283·0	17th	287·7	+0·4	*289·9*	0	0
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	730·4	..	..	291·6	295·2	10th	278·9	271·2	17th	285·3	..	*285·5*	26	+ 6
1025	Corumba	19 0	57 39	116	997·9	1011·4	..	307·3	312·0	8th	294·5	283·1	19th	300·9	..	..	76	+ 18
1026	Cuyaba	15 36	56 6	165	991·4	1010·1	− 0·2	305·1	308·8	28th	296·3	288·2	17th	300·7	+0·5	*301·0*	18	− 33
1027	Bello Horizonte	19 55	43 55	857	920·2	1016·1	+ 0·2	301·2	305·0	28th	287·6	281·8	5th	294·4	+0·6	*293·7*	0	− 30
1028	Caetite	14 2	42 39	900	916·5	1016·4	+ 0·3	300·9	305·7	30th	288·5	284·7	4th	294·7	+0·1	*295·7*	0	− 24
1029	Ondina (Bahia)	13 0	38 30	46·6	1010·9	1016·3	+ 0·1	300·4	302·1	30th	293·4	291·2	3rd	296·9	−0·3	*296·3*	55	− 23
1030	Aracaju	10 55	37 3	4·0	1016·6	1017·0	+ 0·8	300·9	302·1	25th	294·1	291·8	2nd	297·5	−0·5	*297·8*	45	+ 7
1035	St. Helena	15 57	W 5 40	632	947·3	1019·8	+ 0·3	290·4	294·7	1st	284·6	283·5	5th	287·5	+0·1	*287·2*	91	+ 18
1042	Gwelo	19 27	E 29 49	1417	862·9	..	− 0·6	301·2	306·9	24th	283·1	276·3	17th	292·1	+0·2	..	0	− 5
1043	Salisbury, Rhodesia	17 48	31 5	1457	858·2	..	− 1·1	301·4	304·7	23rd	281·6	278·6	9, 10, 21	291·5	−0·3	..	1	− 1
1044	Zomba	15 23	35 18	‡945	910·2	1015·8	+ 0·4	300·2	304·1	12th, 13th	286·6	283·0	8th	293·4	−0·3	*293·1*	8	− 10
1045	Tananarivo	18 55	47 32	1400	866·8	..	− 0·6	296·0	299·8	9th	283·3	280·1	14th	289·7	−0·5	*288·2*	8	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·2	1012·7	− 1·0	302·1	304·1	29th	297·1	294·9	9th, 13th	299·6	+0·4	*299·2*	19	− 96
1056																		
1057	Christmas Island	10 25	105 43	5·5	1008·7	1009·3	− 1·3	304·1	305·2	..	296·2	294·1	..	300·1	+0·4	*299·7*	10	− 78
1058																		
1061	Koepang	10 10	123 34	45·1	..	1010·2	− 1·7	306·5	308·4	27th	295·6	293·2	1st	301·1	..	300·4	16	+ 13
1061a	Derby	17 18	123 40	16·2	1009·7	1011·6	− 1·4	307·6	314·0	29th	293·6	289·0	7th	300·6	+1·2	..	0	− 2
1062	Hall's Creek	18 13	127 46	374	969·9	1011·0	− 2·3	308·3	313·2	27th	290·7	284·0	9th	299·5	+1·9	*299·0*	39	+ 34
1063	Port Darwin	12 28	130 51	29·6	1006·8	1010·1	− 1·4	306·0	309·3	11th	297·9	295·1	18th	301·9	+0·7	*300·8*	41	+ 25
1064	Daly Waters	16 16	133 23	211	985·4	1008·6	− 3·2	309·6	314·1	27th	292·9	285·8	4th	301·2	+1·6	*300·7*	0	− 0
1065	Mein	13 13	142 47	122	996·2	1009·8	− 1·9	306·7	311·1	18th	294·8	290·2	1st, 17th	300·7	+2·1	*299·9*	2	− 8
1066	Georgetown, Queensland	18 22	143 32	302	?979·0	?1012·8	− 1·3	306·0	309·2	23rd	290·8	283·0	19th	298·4	+1·1	..	0	..
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	1014·7	1016·7	+ 1·1	300·1	302·2	10th	293·9	292·4	17th	297·0	+0·4	*296·8*	322	+141
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

SEPTEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	296·9	301·3	4th, 5th	292·1	288·6	25th	294·5	−0·4	*294·3*	96	− 15
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·5	1018·8	+ 1·4	289·0	291·8	11th	283·4	281·6	16th	286·2	+0·3	*285·9*	15	+ 12
1122	Iquique	20 12	70 11	9	1016·7	1017·8	+ 1·4	294·0	296·0	27th	284·3	282·0	16th	289·1	−0·2	*289·3*	0	0
1123	Catamarca	28 27	65 47	529	..	1011·9	− 0·5	300·2	311·6	3rd	285·9	275·0	17th	293·1	+0·8	293·1	17	+ 10
1124	Salta	24 46	65 28	1178	882·2	1011·5	− 0·7	298·6	305·4	24th	281·5	273·0	17th	290·1	+1·3	291·1	24	+ 18
1125	Goya	29 9	59 15	26	..	1015·4	− 0·4	298·6	305·9	23rd	286·0	278·5	17th	292·3	+1·6	292·0	81	+ 19
1126	Asuncion	25 21	57 37	95	‡1004·5	‡1015·6	− 1·0	301·3	309·6	4th	289·3	278·5	17th	295·3	+0·6	294·6	158	+ 90
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1009·8	1017·1	+ 0·2	296·2	304·2	..	291·1	287·9	..	293·7	−0·8	293·3	52	− 15
1139	Windhoek	22 34	E 17 6	1665	..	..	..	297·2	303·2	30th	285·4	280·0	13th	291·3	−0·5	*291·2*	0	− 1
1140																		
1141	Kimberley	28 42	24 47	1202	883·8	..	− 0·9	297·3	304·1	30th	280·4	275·8	23rd	288·9	−0·6	288·6	1	− 19
1142	Johannesburg	26 11	28 4	1806	825·3	..	− 0·1	292·5	297·4	7th	280·9	276·4	14th	286·7	−1·5	*286·6*	29	+ 5
1142a	Pretoria	25 45	28 12	1338	872·4	..	+ 0·3	295·6	301·1	7th	282·7	276·9	13th	289·1	−1·3	*289·0*	21	+ 11
1143	Durban	29 52	31 3	15·2	1021·1	1022·9	+ 1·3	294·6	298·7	6th	287·7	284·6	15th	291·2	−0·6	*290·7*	58	− 25
1144	Lorenzo Marques	25 58	32 36	59	..	1020·4	+ 1·6	296·5	301·3	17th	288·6	285·5	17th	292·6	−1·5	292·4	139	+110
1147	Mauritius	20 6	57 33	55·2	1012·2	1018·8	− 1·4	297·2	298·7	8th	289·4	286·1	28th	293·3	−0·9	293·0	23	− 10
1159	Onslow	21 43	114 57	4·3	1012·0	1012·8	− 1·7	301·4	305·2	24th	287·3	282·3	1st	294·3	−0·2	..	0	− 1
1160	Peak Hill	25 38	118 47	588	945·3	1011·4	− 3·2	297·4	303·0	30th	283·5	278·6	2nd	290·4	−1·4	..	38	+ 32
1161	Nullagine	21 53	120 5	386	968·1	1011·1	− 3·0	304·7	309·8	30th	285·6	278·2	2nd	295·1	+0·2	..	0	0
1162	Laverton	28 40	122 23	466	959·5	1012·6	− 4·0	296·2	303·8	30th	281·5	274·7	4th	288·8	−1·0	*288·8*	8	0
1163	Alice Springs	23 38	133 37	587	946·0	1011·4	− 3·6	300·4	310·2	30th	284·8	275·2	1st	292·6	+1·0	*292·7*	41	+ 31
1164	William Creek	28 55	136 21	76·2	1003·4	1012·3	− 4·6	297·8	307·7	30th	282·9	276·3	5th	290·3	+0·3	*290·1*	13	+ 2
1164a	Boulia	22 55	139 38	146	995·2	1011·8	− 2·4	303·7	313·6	28th	285·7	275·5	3rd	294·7	+0·4	*294·8*	21	+ 12
1165	Thargomindah	27 58	143 43	123	998·2	1012·5	..	297·9	309·7	30th	283·7	276·9	1, 2, 3	290·8	..	*290·6*	19	+ 8
1166	Mitchell	26 32	147 52	336	..	..	..	297·9	304·8	7th	281·9	272·4	3rd	289·9	+0·5	..	157	+123
1167	Rockhampton	23 24	150 30	11·3	1013·9	1015·1	− 1·9	299·7	305·0	7th	287·1	279·8	3rd	293·4	−0·8	*292·6*	93	+ 59
1168	Brisbane	27 28	153 2	11·6	1013·9	1015·2	− 2·2	296·6	300·9	7th	285·5	279·7	4th	291·1	−0·3	*290·4*	132	+ 79
1169	Quitchambo	21 52	166 3	38	1011·9	1016·4	..	301·1	305·0	18th, 19th	287·7	292·1	14th, 15th	294·4	..	..	59	− 34
1170	Norfolk Island	29 5 S.	167 53 E.	15·2	1017·4	1018·8	− 0·7	293·3	296·3	24th	288·3	283·6	30th	290·8	+0·7	*290·4*	105	− 11

SEPTEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	289·5	294·2	9th	284·1	282·0	11th, 21st	286·8	−0·2	*285·8*	107	+ 37
1221a	Punta Tumbes	36 37	73 6	91	‡1007·6	‡1018·7	− 0·5	287·5	289·8	18th	280·7	277·5	16th	284·1	+0·2	*283·7*	57	+ 7
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1014·6	1019·6	+ 1·4	290·2	295·7	11th	281·7	279·9	15th	285·9	−0·6	*285·6*	80	+ 49
1222a	Santiago	33 27	70 42	520	957·8	1019·2	+ 1·4	290·9	299·5	20th	278·2	273·0	15th	284·5	−0·5	*283·8*	42	+ 12
1223	Cordoba	31 25	64 12	423	966·0	1015·4	− 0·4	296·3	305·2	..	281·4	272·7	..	288·9	+0·6	288·4	46	+ 23
1224	Bahia Blanca	38 45	62 15	25	..	1016·7	− 0·6	291·6	299·0	22nd	279·9	275·0	16th	285·7	+0·5	285·7	39	− 2
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1017·9	− 0·5	291·4	294·6	18th, 25th	280·6	274·9	17th	286·0	+0·1	286·5	38	− 41
1226	Montevideo (Prado)	34 52	56 12	24·9	1015·5	1018·5	+ 0·9	291·0	296·6	3rd	280·8	275·4	28th	285·9	+0·1	286·0	52	− 33
1226a	Porto Alegre	30 2	W51 13	23·5	1015·4	1018·2	+ 0·8	294·8	304·8	8th	285·6	278·9	18th	290·2	+0·4	289·9	139	+ 23
1239	Cape Town	33 56	E 18 29	12·2	..	1020·4	+ 1·0	292·3	299·2	15th	282·7	276·9	17th	287·5	+0·1	*286·2*	44	− 13
1240	Danger Point	34 37	19 18	19·5	..	..	..	290·1	300·2	15th	283·6	278·6	23rd	286·8	..	..	41	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	295·6	300·8	15th	278·9	272·4	1st	287·2	..	..	30	− 11
1242	East London	33 2	27 53	9·8	1018·7	1019·9	+ 0·3	292·8	296·3	1st, 10th	285·4	281·3	14th	289·1	−0·5	..	82	+ 6
1259	Perth (Observatory)	31 57	115 51	60·0	1004·4	1011·8	− 6·1	290·2	293·6	23rd	283·5	279·4	13th	286·9	−0·7	*286·8*	172	+ 87
1260	Katanning	33 42	117 35	310	973·1	1009·8	− 7·0	288·2	293·1	13th	279·7	274·1	17th	283·9	−1·1	..	89	+ 39
1261	Coolgardie	30 57	121 10	423	962·5	1011·5	− 5·3	292·8	298·9	30th	279·6	273·6	4th	286·2	−1·6	*286·2*	13	− 2
1262	Eucla	31 45	128 58	4·6	1009·7	1010·3	− 6·4	293·9	304·1	10th, 30th	280·9	275·8	22nd	287·4	−0·7	*287·0*	22	+ 3
1263	Streaky Bay	32 48	134 13	13·1	1011·2	1012·7	− 4·9	291·7	301·3	30th	282·1	278·0	23rd	286·9	−0·4	*286·5*	55	+ 20
1264	Adelaide	34 56	138 35	42·7	1005·8	1010·9	− 6·6	292·0	299·3	11th	281·7	277·4	25th	286·9	0·0	*286·7*	93	+ 43
1265	Melbourne	37 49	144 58	35·1	1005·9	1010·1	− 5·7	290·2	295·3	30th	281·4	275·7	19th	285·8	+0·5	285·1	87	+ 26
1266	Bourke	30 13	145 58	110	1002·4	1015·4	− 1·7	300·1	305·8	30th	281·3	276·9	5, 6, 9	290·7	+0·6	..	19	− 1
1267	Sydney	33 52	151 12	44·5	1006·3	1011·7	− 4·5	293·2	301·8	28th	284·5	280·5	11th	288·8	+0·7	*288·3*	138	+ 64
1268	Lord Howe Island	31 32	159 4	4·6	1014·1	1014·7	..	293·8	296·1	7th	287·8	281·1	14th	290·8	..	..	142	+ 8
1271	Auckland	36 50	174 50	38·1	..	1017·6	..	288·6	292·2	26th	283·3	280·2	9th	285·9	+0·3	..	179	+ 87
1272	Napier	39 32 S.	176 53 E.	21·3	..	1015·8	+ 1·7	290·7	296·9	26th	282·0	276·3	5th	286·3	+1·2	..	60	+ 19
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

SEPTEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	45	− 22
1321	Isla Huafo	43 34	74 45	140	997·5	1014·6	− 2·8	283·2	285·6	20th	279·4	277·0	15th	281·3	+0·5	*281·2*	47	− 26
1322	Punta Galera	40 1	73 44	40	1012·4	1017·3	− 0·9	284·7	285·8	5th	280·2	277·9	19th	282·5	+0·1	*282·9*	192	+ 15
1323	Sarmiento	45 30	69 0	274	..	1009·9	..	288·0	296·0	30th	277·0	273·2	16th, 27th	282·5	+1·6	282·1	3	− 5
1324	Puerto Madryn	42 49	W64 58	14	..	1012·6	..	291·2	299·4	20th	278·7	273·4	19th	284·9	+1·2	284·8	23	+ 13
1365	Launceston	41 27	E147 10	9·4	1005·6	1006·9	− 4·7	288·8	293·1	21st	279·4	274·5	1st	284·1	+0·9	*283·3*	146	+ 71
1366	Hobart	42 53	147 22	53·9	999·2	1005·7	− 5·0	287·8	294·3	21st	279·7	276·3	15th	283·7	+0·3	*282·9*	96	+ 42
1370	Invercargill	46 25	168 21	5·5	..	..	..	287·9	296·3	23rd	276·9	270·8	4th	282·4	+0·6	..	74	− 4
1371	Dunedin	45 52	170 31	91·4	..	1012·7	+ 1·4	287·0	298·0	21st	279·3	274·7	7th	283·2	+1·9	..	182	+113
1371a	Christchurch	43 31	172 38	7·6	..	1012·5	− 0·1	287·9	297·2	25th	280·1	274·8	13th	284·0	+1·6	..	66	+ 20
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1015·4	+ 2·6	288·1	292·7	30th	282·4	274·3	4th	285·3	+1·4	..	116	+ 12
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

SEPTEMBER—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	999·0	1005·8	+ 1·9	280·3	282·0	29th	277·1	273·6	15th	278·7	+0·6	*278·6*	177	− 46
1422	Puerto de Punta Arenas	53 10	70 54	4	1006·4	1006·9	+ 2·8	280·8	282·2	29th	274·7	270·0	1st	277·7	+0·3	*277·9*	100	+ 56
1423	Punta Dungeness	52 24	68 26	5	1005·6	1006·2	+ 2·4	283·5	286·3	28th, 29th	273·8	272·0	6th	278·7	+1·1	*278·7*	71	+ 19
1424	Santa Cruz	50 11	68 21	12	..	1007·6	+ 0·5	284·0	294·4	29th	275·4	269·8	2nd	279·7	+0·1	279·3	24	..
1424*a*	Año Nuevo	54 39	64 9	50	1000·6	1006·8	+ 4·5	277·7	283·6	30th	274·3	270·2	3rd	276·0	−0·6	275·9	57	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	64	+ 32
1426	Cape Pembroke	51 41	57 42	21	..	1007·6	+ 1·6	279·6	284·1	30th	274·7	271·3	5th, 11th	277·1	+0·3	277·4	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	4	1004·9	1005·4	+ 3·6	274·3	282·6	9th	267·6	260·4	7th	271·0	−2·5	*271·4*	32	− 50
		S.	W.															

SEPTEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

		S.	W.															
1527	South Orkneys.	60 44	44 39	7	1005·5	1006·4	+13·7	266·3	275·9	25th	256·1	240·4	8th	261·2	−5·2	261·7	6	− 23
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—SEPTEMBER 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. *Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Entebbe. 844. Direction and Force.		Malden Island. 905. Direction and Force.	Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction and Force.	
	9h.	m/s	9h.	21h.	9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.	
1	SE	10·9	SE 4	E 4	Calm 0	W 1	W 3	W 3	ESE 3	SE 4	ENE 6	E 5	E 3	
2	SE	7·7	E 5	SE 4	Calm 0	SW 2	N 2	Calm 0	SE 3	SE 4	E 4	E 4	Calm 0	
3	SE	4·6	SE 5	SE 5	Calm 0	S 2	SW 3	W 2	SE 3	SE 4	ESE 4	SE 4	E 2	
4	SE	3·7	SE 4	SE 5	Calm 0	S 1	E 3	W 2	SE 3	SE 2	ESE 6	ESE 4	S 2	
5	SE	5·8	SE 4	SE 4	W 2	SW 2	W 3	W 3	ESE 5	SE 4	SE 6	SE 6	E 4	
6	SE	7·2	E 4	SE 4	Calm 0	S 2	SW 3	Calm 0	E 2	SE 2	ESE 5	ESE 6	E 4	
7	SE	9·8	SE 4	SE 5	Calm 0	S 2	Calm 0	Calm 0	ESE 2	SE 2	E 5	E 5	E 5	
8	SE	12·5	SE 5	ESE 5	Calm 0	SE 1	E 2	SW 2	ESE 4	SE 4	ESE 7	ESE 5	NE 3	
9	SE	8·5	E 5	SE 4	S 2	S 1	Calm 0	SW 3	ESE 4	Calm 0	ESE 5	ESE 5	E 2	
10	SE	—	SE 4	SE 5	S 2	S 3	W 3	W 3	E 2	SE 2	E 6	E 4	W 0	
11	SE	10·0	SE 5	SE 4	Calm 0	E 1	S 2	– –	ESE 4	SE 2	ESE 4	E 4	Calm 2	
12	SE	—	SE 3	SE 2	Calm 0	SE 1	W 3	SW 2	ESE 3	SE 4	E 6	E 4	N 3	
13	SE	8·3	SE 3	SE 3	Calm 0	S 2	SW 2	SW 2	SE 3	SE 4	E 5	E 6	NE 3	
14	SE	—	SE 5	SE 4	Calm 0	E 1	Calm 0	W 3	E by S 3	SE 2	E 5	E 5	SE 3	
15	SE	6·6	SE 4	SE 4	Calm 0	W 1	W 2	N 2	ESE 4	Calm 0	ENE 5	ENE 4	SE 4	
16	SE	11·0	SE 5	SE 4	E 2	SE 1	W 3	S 2	ESE 4	SE 2	E 3	E 5	E 4	
17	SE	11·0	SE 5	SE 4	S 2	SE 2	W 3	W 3	ESE 2	SE 4	E 5	ESE 5	SE 4	
18	SE	9·0	SE 5	SE 5	Calm 0	E 2	W 3	W 3	E by S 2	SE 4	E 7	E 5	SE 4	
19	SE	8·4	SE 6	SE 5	Calm 0	S 1	Calm 0	N 2	ESE 4	SE 4	E 6	E 5	SE 5	
20	SE	10·9	SE 5	SE 4	W 3	SW 2	Calm 0	W 3	ESE 3	SE 4	E 4	ENE 3	SE 5	
21	SE	—	SE 5	SE 5	W 3	W 2	E 5	W 3	ESE 4	Calm 0	SE 4	ESE 3	SE 4	
22	SE	—	SE 5	SE 3	Calm 0	S 1	Calm 0	W 2	E 2	SE 4	ESE 3	ESE 3	SE 3	
23	SE	—	SE 4	SE 2	Calm 0	S 1	– –	W 2	E 1	SE 2	ESE 5	ESE 4	SE 3	
24	SE	—	SE 3	SE 4	Calm 0	S 1	W 3	W 3	E by S 3	SE 4	E 5	E 5	SE 2	
25	SE	—	SE 5	SE 4	SW 4	S 2	Calm 0	SW 3	ESE 3	SE 4	E 5	E 5	SE 3	
26	SE	—	SE 5	E 3	S 2	S 1	Calm 0	SW 2	ESE 4	SE 4	ESE 5	ESE 5	SE 1	
27	SE	—	ESE 4	SE 4	Calm 0	S 1	SW 3	W 3	E 3	SE 4	SE 4	ESE 5	SE 2	
28	SE	—	SE 4	SE 4	Calm 0	S 1	W 3	SW 2	ESE 2	SE 6	E 4	E 4	SE 2	
29	SE	10·0	SSE 4	ESE 4	Calm 0	S 2	E 3	Calm 0	ESE 3	SE 4	E 4	E 4	E	
30	SE	12·1	SE 5	SE 4	S 2	S 1	Calm 0	Calm 0	E 2	SE 6	E 4	E 2		
Mean ..	..	8·8	4·5	4·0	0·8	1·5	2·0	2·1	3·0	3·2	4·9	4·5		2·8
†Resultant	135° (100)	..	130° (96)		185° (46)		255° (49)		110° (92)	135° (89)	100° (93)		115° (70)	
†Normal	143° (91)	8·8	124° (80)		260° (33)		255° (29)		89° (88)	133° (81)	102° (48)		102° (59)	

* Mean velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—SEPTEMBER 1917.

* *Spitsbergen.*—There was some ice at first off the W. coast, but by the middle of the month there was none S. of the Icefjord. New ice started forming in the fjords. The Storfjord was probably free of ice.

* *Iceland* was free of ice, which is normal for this month.

* *Denmark Strait.*—No ice was visible S. from Angmagsalik. There was no polar ice but some icebergs one of which was 120 miles offshore.

* *Davis Strait.*—The sea round Cape Farewell and the W. coast of Greenland was free of ice except for icebergs; a very large iceberg was seen in 59° 20′ N. and 42° 10′ W.

* *Beaufort Sea.*—The ice edge lay about 60 miles offshore.

* *Isforholdene i de Arktiske Have, 1917* published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, OCTOBER 1917.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF OCTOBER 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. OCTOBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	1012·6	..	+ 3·8	..	267·3	6th	..	249·1	30th	..	..	*258·3*	2	..
124	Upernivik	72 47	W56 7	18·9	1010·6	1013·0	+ 4·2	269·4	276·8	6th	263·0	255·0	30th, 31st	266·2	−3·7	*265·3*	81	+ 55
125	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1004·3	1005·8	− 4·4	..	274·4	28th	261·1	252·6	19th	..	−2·1	264·7	36	+ 7
139	Gjesvaer	71 6	25 22	6·5	1001·4	1002·2	− 4·6	..	278·7	19th	273·3	271·2	14th	..	0·0	*275·0*	49	− 29
140	Mehavn	71 1	27 47	6·4	1002·6	1003·4	− 4·8	..	278·3	25th	273·2	271·2	9th	..	+0·5	*274·9*	35	− 46
141	Vardö	70 22	31 8	10·0	1003·8	1005·0	− 2·2	..	279·2	25th	273·3	271·0	3rd	..	+0·8	*275·3*	65	+ 1
142	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24	58 47	11·2	1009·4	1010·8	+ 3·6	271·1	275·5	6th	266·4	257·4	19th	268·8	..	*268·7*	13	..
		N.	E.															

Between Latitude 70° N. and 60° N. OCTOBER—ZONE 2.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1009·8	+ 4·4	273·3	280·8	9th	269·2	256·9	29th	271·2	−0·6	*271·2*	28	− 9
204	Candle	65 55	161 57	2·4	..	..	..	260·9	279·7	6th	263·4	247·4	29th	266·7	..	..	19	..
205	Tanana	65 10	152 6	67·1	..	1011·5	+ 5·2	270·6	281·9	10th	264·4	248·0	27th	267·5	−0·2	*267·2*	10	− 13
206	Rampart	65 30	150 15	122	..	..	..	270·7	285·8	3rd	..	..	..	..	..	..	23	− 1
207	Valdez	61 7	146 16	8·2	..	1008·8	+ 3·5	277·9	284·7	1st	271·5	266·3	26th	274·7	−1·1	*274·3*	158	0
208	Eagle	64 46	141 12	254	..	1010·8	+ 1·8	272·4	286·9	11th	263·8	248·0	20th, 30th	268·1	−1·1	..	18	0
209	Dawson	64 4	139 20	328	970·4	1011·3	+ 1·2	273·6	286·3	11th	265·2	252·4	30th	269·4	−0·3	..	45	+ 11
210	Carcross	60 11	134 34	662	..	..	..	277·2	285·8	8th	269·3	256·9	27th	273·2	−1·2	..	7	− 17
211	Fort Good Hope	66 25	128 53	65·2	1008·1	1016·6	..	270·2	283·0	11th	260·8	242·4	27th	265·5	..	..	21	..
212	Fort Simpson	61 52	121 35	129	1001·3	1017·8	..	273·6	285·8	8th	266·3	251·9	21st	269·9	+0·9	..	13	− 10
213	Hay River	60 51	115 20	161	993·7	1014·1	..	..	..	..	268·0	256·3	22nd	..	..	..	44	..
225	Jacobshavn	69 13	51 2	12·6	1012·3	1013·9	+ 5·2	..	..	..	262·2	251·7	31st	..	−4·1	*265·2*	29	+ 5
226	Godthaab	64 11	51 43	9·0	1009·1	1010·3	+ 5·1	273·4	278·2	4th	268·0	262·2	29th	270·7	−1·3	*270·8*	4	− 59
227	Ivigtut	61 12	48 10	5·0	1011·1	1011·7	+ 6·6	..	..	..	270·2	265·9	30th	..	−0·8	*273·1*	153	+ 5
229	Angmagsalik	65 37	37 33	31·7	1004·3	1008·3	+ 2·1	270·8	277·5	8th	264·8	259·4	24th, 25th	267·8	−4·4	*267·5*	31	−133
231	Stykkisholm	65 5	22 46	11·3	1002·6	1004·0	− 1·4	275·4	283·9	1st	270·4	263·5	28th	272·9	−3·7	*272·5*	88	+ 11
232	Vestmanno	63 3	20 15	7·7	997·8	998·8	− 6·6	277·3	283·7	1st	272·2	264·6	25th	274·7	−3·6	*274·8*	158	+ 9
233	Grimsey	66 33	17 58	22·0	..	..	..	273·6	281·7	19th	269·3	264·9	25th	271·5	−4·3	*271·4*	3	− 33
233*a*	Akureyri	65 40	18 4	6·8	1002·8	1003·7	− 3·0	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 49	14 19	18·0	997·6	999·8	− 6·6	275·7	281·2	20th	269·3	261·5	29th	272·5	−2·9	*273·6*	94	− 33
235	Thorshavn	62 3	6 45	25·7	993·5	996·6	−11·1	279·4	285·4	1st	274·5	269·0	29th	276·9	−2·7	*277·1*	142	− 18
236	Lerwick	60 9	W 1 8	18·0	993·3	995·4	−12·9	281·7	287·4	2nd	277·6	273·6	7, 24, 29	279·7	−1·2	*280·1*	257	+157
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	992·6	998·0	−11·9	..	287·8	2nd	277·2	273·9	24th	..	−0·9	*279·6*	320	+115
238	Christiansund	63 7	7 45	17·8	995·1	997·2	−11·2	..	287·8	2nd	276·7	273·4	10th	..	−0·4	*279·6*	107	− 41
239	Trondhjem	63 26	10 25	39·5	993·9	998·7	−10·3	..	285·7	22nd	274·7	269·1	30th	..	−0·3	*277·7*	57	− 54
240	Bodö	67 17	14 24	22·4	995·9	998·6	− 9·2	..	284·0	2nd	274·9	271·6	31st	..	+0·4	*277·6*	109	+ 1
241	Haparanda	65 50	24 9	9·2	1002·8	1003·9	− 6·4	278·8	284·0	3rd	274·3	269·0	1st	276·5	+2·6	*276·9*	135	+ 79
242	Helsingfors	60 10	24 57	11·7	1008·0	1009·4	− 4·1	282·2	285·6	3rd	278·5	272·0	1st	280·3	+2·0	*280·4*	89	+ 23
242*a*	Kuopio	62 54	27 40	90·3	997·4	1008·5	− 4·1	280·8	287·7	3rd	277·0	271·6	1st	278·9	+3·1	*279·2*	64	+ 15
243	Kola	68 53	33 1	6·7	1005·8	1006·6	− 2·4	276·6	282·4	24th	272·8	268·3	9th	274·7	+2·4	*274·9*	47	+ 20
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	5·8	1012·2	1012·9	+ 0·6	279·5	285·4	14th	274·7	271·0	1st, 21st	277·1	+2·9	*277·1*	64	+ 24
246	Mezen	65 50	44 16	12·6	1010·6	1012·2	+ 1·3	277·8	284·2	5th	272·9	267·3	18th	275·4	+3·1	*275·5*	64	+ 36
247	Oust-Tsylma	65 25	52 14	? 70	1006·3	1015·1	+ 2·1	277·0	286·5	9th	271·4	263·8	19th	274·2	+2·5	*274·0*	55	..
248	Tcherdyn	60 24	56 31	?177	999·1	1021·1	+ 5·3	279·4	289·8	13th	273·5	265·5	20th	276·4	+3·5	*276·3*	22	− 29
249	Berezov	63 56	65 1	39·9	1014·2	1019·3	+ 6·2	275·9	287·6	10th	267·8	255·0	20th	271·8	+2·3	*271·7*	17	− 7
250	Obdorsk	66 31	66 35	23·7	1013·4	1016·4	+ 4·8	..	..	..	265·5	243·1	22nd	..	+0·6	*268·8*	44	+ 26
251	Sourgout	61 15	73 24	? 40	1013·1	1018·2	+ 3·9	..	291·5	2nd	269·0	248·7	23rd	..	+2·7	*273·2*	43	+ 10
252	Doudinka	69 23	86 4	20	1013·0	1015·6	+ 4·5	..	275·7	1st	257·3	246·9	27th	..	..	*261·0*	15	..
253	Touroukhansk	65 47	87 57	45	1012·8	1018·7	+ 5·1	..	286·1	3rd	259·8	243·6	29th	..	−2·4	*264·0*	37	+ 6
254	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Iakoutsk	62 1	129 43	108	1004·3	1018·4	0·0	..	286·7	1st	259·8	243·7	25th	..	+0·6	*265·0*	6	− 13
262	Verkhoïansk	67 33	133 23	100	1001·2	1014·7	+ 2·9	..	282·0	1st	250·8	233·1	17th	..	−2·0	*256·0*	4	− 4
263	Oust-Maïskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1012·7	1016·1	+ 3·0	267·1	279·3	15th	258·8	243·3	29th	262·9	−0·5	..	19	+ 8
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

OCTOBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	?281·3	?284·1	15th	275·6	271·9	30th	?278·4	..	..	181	..
302	St. Paul Island	57 15	170 10	6·1	..	1005·4	+ 0·7	278·6	280·8	sev. dates	274·2	268·0	28th	276·4	..	..	90	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1006·1	+ 0·8	281·9	286·3	2nd	275·5	269·7	30th	278·7	+0·4	*278·3*	128	− 88
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	1005·4	+ 3·2	279·6	284·1	9th	274·6	261·9	30th	277·1	..	*277·3*	161	− 12
309	Sitka	57 3	135 19	27·4	..	1012·5	+ 4·2	282·4	288·6	5th, 9th	276·8	271·3	27th	279·6	−1·0	*279·6*	527	+229
310	Prince Rupert	54 18	130 18	51·8	1009·7	1016·1	+ 4·3	283·6	290·8	2nd	278·0	274·1	28th, 29th	280·8	−0·5	*280·7*	284	− 59
311	Barkerville	53 2	121 35	1274	872·2	..	..	278·6	288·6	9th	271·3	260·2	28th	274·9	−1·2	*274·7*	132	+ 58
312	Kamloops	50 42	120 29	385	978·0	1024·5	+ 4·4	287·4	301·9	3rd	276·3	269·7	30th	281·9	+0·1	*281·7*	10	− 5
313	Calgary	51 2	114 2	1045	896·4	..	..	283·0	299·7	5th	270·8	259·1	29th	276·9	−1·6	*276·1*	35	+ 19
314	Fort Chipewyan	58 42	111 10	218	988·5	1015·7	..	276·3	284·7	1st	268·0	258·6	21st	272·2	−1·7	*272·5*	41	+ 22
315	Prince Albert	53 10	106 0	442	962·4	1016·2	+ 2·6	281·3	293·0	13th	269·7	257·4	29th	275·5	−1·0	*274·9*	19	− 2
316	Qu'Appelle	50 30	103 47	645	938·2	1016·2	+ 1·8	278·6	290·2	8th	268·6	259·1	22nd	273·6	−4·3	*272·8*	48	+ 22
317	Minnedosa	50 15	99 50	515	952·9	1015·8	+ 0·7	278·6	293·0	1st	267·4	250·8	23rd	273·0	−4·6	*272·3*	14	− 12
318	Berens River	52 18	97 23	216	..	..	..	277·2	287·4	2nd	268·4	255·2	21st	272·8	−4·7	..	12	− 21
318*a*	Port Nelson	57 4	92 36	14·9	1012·2	1014·1	..	271·9	281·9	5th	265·2	255·2	25th	268·6	..	..	25	..
319	Fort Hope	51 33	87 49	‡260	980·7	1013·5	..	274·1	283·0	1st	266·9	249·7	22nd	270·5	−5·0	*270·5*	58	+ 25
320	Moose Factory	51 14	80 30	9·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	277·4	283·6	12th	271·2	264·7	22nd	274·3	..	..	38	..
322	Mistassini Post	50 15	73 55	383	..	..	..	277·8	285·2	19th, 20th	271·0	261·3	24th	274·4	..	..	130	..
323	Hebron	58 12	62 21	15·0	1016·6	1018·5	+ 9·6	..	..	..	271·3	268·2	..	..	..	*273·4*	83	..
324	Natashquan	50 8	61 48	?	..	..	..	279·7	283·0	1st	273·5	270·2	31st	276·6	..	..	180	..
326	Belle Isle	51 53	55 23	133	998·3	1014·9	+ 4·1	278·6	283·0	20th	273·0	270·8	24th	275·8	−0·1	*275·8*	103	− 50
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1008·2	1009·9	− 2·1	284·4	289·1	1st	280·1	275·2	28th	282·3	−1·5	282·5	206	+ 64
335	Aberdeen	57 10	2 6	26·8	995·8	999·1	−11·2	282·2	288·6	2nd	276·7	271·3	29th	279·5	−2·0	279·5	95	+ 19
336	Greenwich	51 28	W 0 0	46·3	1003·1	1008·8	− 4·3	286·0	295·8	2nd	276·8	271·3	28th	281·4	−1·9	281·3	69	+ 5
337	Uccle	50 48	E 4 22	100	997·5	1009·7	− 4·8	285·3	298·8	2nd	277·1	273·0	28th	281·2	−2·3	281·2	127	+ 49
338	De Bilt	52 6	5 11	3·0	1007·6	1008·0	− 5·5	285·8	296·7	3rd	277·5	272·6	28th	281·7	−1·3	281·1	156	+ 88
338*a*	Hamburg	53 33	9 58	26·0	1004·4	1007·6	− 6·5	284·6	294·0	2nd	278·6	275·1	30th	281·6	−1·2	*281·1*	109	+ 41
339	Copenhagen	55 41	12 36	5·0	1005·2	1005·8	− 7·6	283·3	290·5	3rd	279·6	284·0	30th	281·5	−0·2	*281·6*	102	+ 45
340	Potsdam	52 23	13 4	84·9	999·8	1010·2	− 5·3	285·3	298·5	3rd	277·9	272·8	17th	281·6	−0·3	281·2	87	+ 42
340*a*	Upsala	59 51	17 38	24·0	1001·5	1004·4	− 7·8	282·3	289·4	2nd	276·2	267·9	29th	279·2	+1·2	279·4	62	+ 9
341	Warsaw	52 13	21 1	133	997·8	1013·9	− 3·1	286·2	295·0	3rd	279·3	274·8	17th	282·8	+1·6	282·6	69	+ 27
342	Jurjev	58 23	26 43	74·5	1003·6	1012·8	− 2·6	283·4	290·4	3rd	277·2	271·0	1st	280·3	+2·1	280·0	69	+ 50
343	Petrograd	59 56	30 16	4·8	1012·3	1012·9	− 1·3	282·7	289·5	3rd	278·1	274·0	9th	280·4	+2·2	*280·1*	60	+ 15
344	Kiev	50 27	30 30	183	998·2	1020·6	+ 1·0	286·1	295·5	11th	278·2	272·1	23rd	282·2	+1·2	*281·9*	24	− 22
344*a*	Moscow	55 50	37 33	167	1001·1	1021·7	+ 2·5	283·3	291·7	14th	275·9	268·2	31st	279·6	+1·5	*279·2*	35	− 9
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1016·7	1026·7	+ 8·1	284·7	292·7	14th	274·7	268·2	20th	279·7	+2·0	*279·0*	7	− 26
347	Orenburg	51 45	55 6	109	1013·9	1027·6	+ 6·7	289·5	295·0	1st	272·2	262·7	23rd	280·8	+2·0	*278·9*	9	− 22
348	Perm	58 1	56 16	163	1004·6	1024·9	+ 7·8	281·1	291·4	10th	274·0	265·2	20th	277·6	+3·2	*277·3*	13	− 34
349	Ekaterinburg	56 49	60 38	281	989·5	1024·2	+ 5·8	282·4	292·8	10th	272·7	261·0	20th	277·6	+3·0	*277·0*	6	− 17
350	Tobolsk	58 12	68 14	?108	1009·1	1022·7	+ 5·3	280·7	293·0	2nd	271·0	257·3	22nd	275·8	+3·1	*276·3*	48	+ 14
351	Akmolinsk	51 12	71 23	?347	983·6	1026·5	+ 2·4	..	296·0	2nd	270·4	259·6	23rd	..	+0·9	*275·9*	12	− 15
352	Omsk	54 58	73 23	87·9	..	..	..	..	297·6	2nd	271·0	259·7	21st	..	+2·1	*276·4*	20	− 4
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	1006·7	1022·1	+ 2·3	..	295·0	3rd	271·0	254·4	31st	..	+1·6	*274·7*	43	− 12
355	Minousinsk	53 43	91 41	249	992·7	1023·7	+ 0·2	..	294·4	4th	270·5	259·1	31st	..	..	*275·3*	24	+ 2
356	Eniseisk	58 27	92 10	77·6	1010·6	1020·6	+ 0·7	..	290·8	4th	266·8	243·3	30th	..	−1·1	*270·8*	31	− 8
357	Irkutsk	52 16	104 19	467	964·8	1022·7	− 0·8	..	290·2	4th	265·6	246·4	30th	..	−2·4	*271·1*	18	+ 0
358	Kirensk	57 47	108 7	263	987·4	1020·9	− 0·3	..	286·9	6th	263·0	239·5	19th	..	−3·0	*267·6*	54	+ 29
359	Tchita	52 2	113 30	687	935·1	1019·0	− 1·6	..	288·6	7th	264·5	252·3	31st	..	−1·2	*270·4*	22	+ 9
360	Blagoveshchensk Priisk	58 10	114 19	490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360*a*	Nertchinskii Zavod	51 19	119 37	626	941·8	1018·3	− 1·3	..	290·3	7th	264·2	251·2	31st	..	−1·0	*270·4*	17	+ 4
361	Tygan Ourkan	54 5	124 46	379	969·4	1016·7	..	276·2	294·0	1st	262·3	250·3	27th	269·2	..	*269·3*	12	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	997·2	1014·9	− 1·4	280·3	296·6	1st	270·1	257·7	31st	275·2	+0·6	*274·9*	43	+ 24
363	Paikanskii Sklad	50 11	130 7	145	995·9	1014·1	..	280·4	295·3	1st	267·1	252·0	22nd	273·8	..	*273·6*	35	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1008·4	1011·1	− 0·4	..	290·4	10th	271·8	258·9	23rd	..	+1·4	*276·3*	102	+ 52
366	Okhotsk	59 21	143 12	6·0	1011·4	1012·2	− 0·5	275·4	286·7	7th	268·4	258·4	17th	271·9	+2·0	*272·0*	11	− 13
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1007·8	1009·4	+ 1·5	282·6	288·8	6th	275·1	270·6	27th	278·9	..	*278·8*	204	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1009·1	+ 1·3	281·3	285·2	1st	..	..	..	..	..	..	280	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

OCTOBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1014·5	1023·1	+ 5·5	286·9	293·6	4th	279·7	275·8	28th	283·3	+0·4	282·7	26	− 39
412	Portland, Oregon	45 32	122 41	46·6	1016·9	1022·3	+ 4·4	292·4	302·4	4th	281·7	274·1	28th	287·1	+1·8	*286·6*	1	− 82
413	Macleod	49 44	113 24	953	..	..	..	285·0	299·7	6th	272·7	259·7	29th	278·9	−1·7	*278·6*	46	+ 30
414	Helena	46 34	112 4	1253	877·0	1020·6	+ 3·0	286·3	298·6	4th	273·8	256·9	29th	280·1	−0·3	*279·9*	19	− 4
414*a*	Salt Lake City	40 46	111 54	1329	871·6	1020·0	+ 3·2	291·5	299·1	5th	279·2	268·0	29th	285·3	+1·3	*285·6*	1	− 37
415	Cheyenne	41 8	104 48	1856	814·3	1017·9	+ 1·6	286·9	296·9	4th	271·6	256·3	29th	279·3	−0·5	*279·9*	10	− 11
416	North Platte	41 8	100 45	859	918·8	1019·3	+ 2·6	288·6	301·3	6th	271·9	260·2	23rd	280·3	−3·0	*280·0*	8	− 20
416*a*	Bismarck	46 47	100 38	511	956·7	1018·6	+ 1·9	281·6	299·1	3rd	269·3	260·8	12th	275·4	−3·5	*276·2*	5	− 20
417	Winnipeg	49 53	97 7	232	986·8	1015·7	+ 0·4	278·0	290·8	1st	269·7	259·7	30th	273·8	−4·1	*273·1*	35	− 1
418	Duluth	46 47	92 6	345	972·7	1014·9	− 1·0	277·6	286·3	1st	270·4	261·9	23rd	274·0	−4·8	*274·3*	72	+ 18
419	Port Arthur	48 27	89 12	196	989·1	1013·4	− 2·2	278·6	287·4	2nd	271·3	265·2	23rd	274·9	−3·2	*274·7*	69	+ 6
420	Chicago	41 53	87 37	251	985·7	1016·2	− 1·5	283·7	293·6	18th	276·8	268·0	30th	280·2	−4·7	*281·0*	101	+ 38
421	Toronto	43 40	79 24	116	1001·3	1015·6	− 2·4	284·1	289·7	2nd	275·8	271·3	21st	279·9	−1·4	279·5	121	+ 59
422	New York (Central Park)	40 46	73 58	30·2	1013·8	1017·4	− 0·7	288·8	295·8	4th	280·5	273·0	31st	284·7	−1·7	284·4	173	+ 73
423	St. John, N.B.	45 17	66 4	36·2	1012·5	1016·9	+ 0·4	284·7	290·2	31st	277·4	274·1	18, 27, 29	281·1	+0·7	281·1	201	+ 86
424	S.W. Point, Anticosti	49 24	63 33	9·1	1014·6	1015·7	+ 2·4	279·7	283·0	4th, 31st	275·2	273·0	3, 10, 28	277·4	0·0	*277·4*	171	+ 88
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1021·1	1022·0	+ 4·3	288·6	292·4	6th	283·0	279·7	18th	285·8	+1·5	*285·9*	97	− 27
425	Port aux Basques	47 35	59 10	9·1	1016·8	1017·9	+ 3·2	283·6	286·3	1, 6, 22	277·4	273·0	19th, 28th	280·5	+0·7	*280·7*	197	+ 55
426	St. John's, Newfoundland	47 34	52 42	38·1	1013·9	1018·6	+ 5·3	286·9	295·2	5th	279·1	274·1	31st	283·0	+2·6	*282·7*	162	+ 18
435	Madrid	40 24	3 41	655	943·1	1019·6	+ 2·4	294·4	301·5	4th	277·5	269·8	29th	285·9	−0·9	284·4	16	− 29
436	Nantes	47 15	W 1 34	36·5	1010·4	1014·8	− 0·3	288·1	297·5	2nd	279·1	272·2	29th	283·6	−1·4	283·2	114	+ 52
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1007·1	1013·3	− 2·1	286·9	299·5	2nd	277·4	272·0	29th	282·1	−1·4	281·7	75	+ 20
438	Marseilles	43 18	5 23	74·8	1005·9	1015·0	+ 0·2	291·1	299·4	1st	280·4	271·9	29th	285·8	−2·3	285·2	33	− 24
438*a*	Zürich	47 23	8 33	493	957·0	1015·9	− 1·5	284·9	296·0	3rd	277·6	270·8	30th	281·2	−0·7	280·7	172	+ 78
439	Rome	41 54	12 27	45	1009·0	1014·3	− 1·8	293·5	299·2	2nd	285·3	279·9	31st	289·4	−0·4	*289·3*	121	+ 3
440	Vienna	48 15	16 22	203	989·2	1013·7	− 3·4	285·9	295·8	4th	278·8	275·2	19th	282·3	−0·4	282·2	81	+ 32
440*a*	Buda-Pesth	47 31	19 1	130	999·2	1015·0	− 2·7	290·3	298·4	4th	279·7	274·7	8th	285·0	+1·1	*284·4*	40	− 19
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1008·2	1018·1	− 0·7	293·1	302·6	11th	281·4	274·2	27th	287·3	+1·9	286·5	24	− 17
443	Odessa (University)	46 29	30 44	65·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
444	Kharkov (University)	50 0	36 14	140	1006·6	1023·9	+ 2·9	286·1	293·2	7th, 14th	275·6	269·4	19th	280·8	+0·4	*280·5*	37	− 4
444*a*	Novorossiisk	44 44	37 49	37·1	1015·0	1019·4	+ 1·5	292·3	298·3	13th	283·3	276·8	3rd	287·8	+0·2	*287·8*	13	− 27
445	Tiflis	41 43	44 48	404	974·6	1022·4	+ 1·2	292·3	299·6	10th	282·3	275·7	5th	287·3	−0·6	*286·5*	23	− 14
446	Astrakhan	46 21	48 2	−13·8	1027·4	1025·7	+ 3·7	288·1	294·6	15th	278·9	272·8	22nd, 30th	283·5	−0·1	*283·1*	2	− 9
447	Fort Alexandrovsk	44 30	50 16	24	1020·0	1022·9	+ 1·2	..	295·0	13th	280·7	274·7	30th	..	−0·2	*284·5*	27	+ 14
448	Krasnovodsk	40 0	52 59	−14·6	1024·0	1022·2	+ 1·5	293·1	299·0	13th	284·6	280·7	31st	288·8	−1·3	*288·9*	23	+ 13
449	Aralskoe More	46 47	61 42	57·0	1017·5	1024·6	+ 0·3	287·1	297·6	1st	275·3	266·5	31st	281·2	+0·7	*281·1*	12	..
450	Tashkent	41 20	69 18	479	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 0	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	?825	923·6	1019·8	− 2·6	288·1	300·9	3rd	276·5	265·1	25th	282·3	..	*281·7*	37	..
461	Mukden	41 48	123 23	43·8	1013·1	1018·5	− 1·4	289·2	299·2	1st	276·2	268·6	30th, 31st	282·7	−0·2	281·9	24	− 13
462	Joshin	40 40	129 11	4·0	1016·4	1016·9	− 1·5	290·3	297·0	2nd	279·1	273·3	31st	284·7	0·0	284·4	41	+ 6
463	Yuki	42 20	130 24	65·6	1009·0	1017·1	..	288·1	294·6	2nd	278·1	271·9	21st	283·1	..	283·4	29	..
464	Vladivostok	43 7	131 55	128	1001·1	1016·8	− 1·4	286·5	295·5	2nd	278·9	270·5	21st	282·7	+0·1	282·4	49	+ 3
465	Ochiai	47 20	142 44	6·6	1011·8	1012·6	− 2·3	285·6	293·5	3rd	274·5	266·3	26th	280·1	+1·0	280·2	230	+124
466	Nemuro	43 20	145 35	26·7	1012·0	1015·2	− 0·5	288·3	294·7	3rd	281·7	273·7	23rd	285·0	+1·4	284·9	145	+ 50
466*a*	Syana	45 14	147 53	39·3	1010·0	1014·8	− 0·7	287·2	292·0	18th	278·7	273·0	11th	282·9	+1·4	283·1	165	+ 62
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N. OCTOBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.*	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1010·9	1016·6	+ 0·1	294·7	308·6	3rd	285·0	282·4	24th	289·8	+1·0	*288·7*	0	− 27
512	San Luis Obispo	35 18	120 39	61·3	1009·2	1016·6	+ 0·6	298·0	311·9	3rd	283·5	278·6	31st	290·8	+1·3	*289·7*	2	− 23
513	San Diego	32 43	117 10	26·5	1011·5	1014·5	+ 0·3	294·5	300·2	21st	287·8	281·9	24th	291·1	+0·7	*290·9*	4	− 7
514	Modena	37 48	113 54	1670	837·4	1018·6	+ 1·9	294·6	301·9	5th	272·7	263·0	29th	283·6	+1·5	*283·6*	0	− 22
515	Santa Fé	35 41	105 57	2138	789·6	1015·2	+ 0·6	290·9	298·6	4th	277·2	265·2	29th	284·1	+1·0	*284·1*	5	− 22
516	Denver	39 45	105 0	1613	839·3	1018·3	+ 2·2	290·7	300·2	6th	274·9	254·1	29th	282·8	−0·6	*283·0*	30	+ 10
517	Abilene	32 23	99 40	530	956·2	1017·3	+ 0·6	299·2	309·1	15th	282·0	268·0	30th	290·6	−1·3	*289·5*	4	− 59
518	Saint Louis	38 38	90 12	173	996·2	1016·9	− 1·2	288·8	302·4	15th	278·4	269·1	30th	283·6	−4·0	*283·7*	47	− 16
519	Mobile	30 41	88 2	17·4	1016·1	1018·3	+ 1·0	296·4	302·4	16th	284·8	275·2	31st	290·6	−2·2	*290·3*	18	− 67
520	Nashville	36 10	86 47	166	999·3	1019·6	+ 0·7	291·2	300·8	17th	278·3	271·9	30th	284·8	−3·7	*285·0*	57	0
521	Charleston	32 47	79 56	14·6	1016·4	1018·3	+ 0·3	295·1	301·9	5th	286·1	276·9	24th	290·6	−1·4	*291·0*	8	− 89
522	Washington	38 54	77 3	34·1	1013·9	1017·9	− 1·0	290·1	299·1	19th	278·2	269·7	31st	284·1	−3·0	*283·6*	122	+ 45
524	Bermuda	32 18	64 46	46·0	1012·3	1017·7	+ 1·5	299·3	301·6	1st	294·6	291·2	28th	296·9	+0·7	*296·8*	442	+293
530	Santa Cruz (Flores)	39 27	31 9	28	1023·8	1026·8	+ 6·6	294·9	298·8	3rd	289·7	284·8	15th	292·3	+0·5	*292·2*	293	+149
531	Horta	38 32	28 38	65	1018·7	1025·9	+ 6·5	293·7	297·6	2nd	289·2	286·6	21st	291·5	−0·3	291·7	153	+ 52
532	Ponta Delgada	37 44	25 40	22	1023·4	1025·2	+ 6·0	293·7	296·3	3rd	289·7	286·8	28th	291·7	−0·2	291·5	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	61	− 95
533	Madeira (Funchal)	32 37	16 54	25	1018·7	1021·6	+ 3·5	295·7	298·0	3rd	290·2	287·8	29th	293·0	−0·5	*292·9*	12	− 73
534																		
535	Lisbon	38 43	9 9	95	1009·3	1020·7	+ 3·8	293·7	299·2	4th	286·2	280·9	29th	290·0	−0·3	*289·6*	27	− 53
536	Gibraltar	36 6	5 21	16·2	1017·4	1019·3	+ 2·0	294·5	300·2	5th	287·9	280·8	30th	291·2	−0·7	*291·3*	17	− 67
536*a*	Melilla	35 18	2 59	8	‡1019·3	‡1020·2	+ 0·3	296·9	301·8	6th	289·0	283·0	30th	292·9	−2·9	*294·1*	5	− 48
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

OCTOBER—ZONE 5 (Eastern Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 38	23	1013·3	1016·0	− 0·1	295·2	301·8	2nd	285·3	280·2	30th	290·2	−1·8	..	31	− 46
538	Algiers (Bouzaréah)	36 48	3 2	344	977·5	1017·8	+ 1·7	294·3	307·7	2nd	287·3	279·5	29th	290·8	−0·6	290·3	100	+ 21
539	Tunis	36 48	10 10	33	‡1011·0	‡1014·9	− 1·3	297·2	306·8	10th	286·9	280·0	31st	292·1	−0·7	*291·6*	52	+ 2
539a	Malta	35 53	14 31	56·4	..	1016·6	− 0·8	296·9	304·0	12th	291·6	286·8	23rd	294·2	+0·2	*293·3*	42	− 26
540	Riposto	37 41	15 14	14·2	..	1017·3	− 0·4	296·0	298·5	17th	289·6	286·6	25th	292·8	−0·7	*292·1*	27	− 59
541	Athens	37 58	23 43	107	1003·3	1016·0	− 0·7	296·5	300·5	1st	289·0	284·1	29th	292·8	+0·6	292·5	63	+ 21
542	Alexandria	31 12	29 53	32·0	1012·9	1016·7	+ 0·4	300·1	303·0	8th	292·5	289·4	27th	296·3	−0·4	*295·9*	8	+ 1
543	Cairo (Helwan)	29 52	31 20	116	1001·9	1015·5	+ 0·9	301·9	305·6	23rd	290·5	287·8	28th	296·2	−0·8	295·4	0	0
544	Nicosia (P.W.D.)	35 9	33 22	159	995·9	1014·2	− 0·8	301·1	305·8	14th	287·4	284·1	19th	294·2	−0·4	..	23	+ 1
544a	Beirut	33 54	35 28	33·7	..	1014·7	+ 0·3	299·6	304·3	14th	294·0	289·7	29th	296·8	0·0	*296·6*	24	− 25
545	Baghdad	33 21	44 28	38·7	..	..	..	305·8	309·9	9th	288·4	284·0	21st	297·1	−1·3	*297·7*	0	− 2
546	Busrah	30 31	47 53	7·6	1012·2	1013·4	− 1·5	307·4	310·7	14th	288·3	283·3	23rd	297·9	−0·6	..	0	− 2
546a	Lenkoran	38 46	48 51	−19·3	1024·3	1022·0	+ 1·5	..	296·0	1st	285·4	281·2	17th	..	−1·0	*288·4*	345	+146
547	Teheran	35 41	51 25	1220	..	..	..	295·7	302·8	1st	283·3	280·4	17th	289·5	−1·4	*289·5*	0	− 8
548	Meshed	36 16	59 35	946	..	..	..	294·7	306·0	2nd	275·5	271·1	24th	285·1	−1·4	..	3	− 7
549	Seistan	31 0	61 30	?	..	..	..	300·1	307·2	3rd	283·5	278·5	25th, 26th	291·8	..	..	0	..
550	Quetta	30 11	67 3	1677	834·4	..	− 1·9	296·3	301·6	4th	275·4	271·3	31st	285·8	−1·1	*285·8*	0	− 2
551	Peshawar	34 2	71 37	339	972·4	1011·4	− 2·1	303·5	306·8	4th	287·8	282·7	30th	295·7	−0·2	*294·9*	2	− 2
551a	Lahore	31 34	74 20	214	985·1	1009·7	− 1·7	303·1	305·9	6th	290·6	284·4	31st	296·8	−1·3	*296·0*	31	+ 27
552	Simla	31 7	77 8	2205	781·1	..	− 2·2	288·9	291·7	5th	283·6	281·1	26th	286·3	−0·6	*286·3*	178	+155
552a	Leh	34 10	77 42	3503	667·4	..	− 1·7	287·0	292·6	4th	272·2	268·7	31st	279·6	−0·3	*278·7*	34	+ 30
559	Hankow	30 35	114 17	37·0	1015·7	1020·1	− 0·2	294·8	298·9	1st	288·0	280·6	31st	291·4	−0·2	*291·4*	59	− 27
560	Tientsin	39 10	117 10	5·0	1019·0	1019·6	− 1·0	290·4	296·5	3rd	283·7	274·3	29th	287·1	−0·4	*287·0*	10	− 10
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1018·2	− 0·9	296·3	300·9	16th	286·0	277·1	30th	291·2	−0·2	290·2	73	− 12
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1009·7	1017·9	− 0·9	292·7	297·2	1st	283·3	275·8	30th	288·0	+0·4	287·7	43	+ 3
562a	Nagasaki	32 44	129 52	133	999·9	1015·6	− 1·2	294·6	299·2	19th	288·1	283·1	31st	291·4	+0·1	291·0	207	+ 84
563	Kioto	35 1	135 44	42·9	1010·7	1015·8	− 0·6	295·0	300·2	19th	285·8	277·0	31st	290·4	+1·5	290·0	227	+ 96
564	Tokio	35 41	139 45	21·3	1013·3	1015·8	− 1·0	293·6	305·0	1st	286·3	279·2	22nd	290·0	+0·9	289·8	355	+164
565	Kanayama	37 53	140 46	24·6	1013·2	1016·1	− 1·0	292·3	300·2	1st	283·6	276·3	24th	287·9	+1·3	287·7	332	+164
566	Miyako	39 38	141 59	30·4	1012·3	1015·9	− 0·8	293·1	299·9	2nd	282·6	273·7	22nd	287·9	+1·6	287·0	271	+110

OCTOBER—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal.
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1013·9	1015·2	− 0·8	301·1	302·4	..	295·0	293·0	..	298·1	+0·3	*298·0*	37	− 13
614	La Paz	24 10	110 20	10	?1010·2	?1011·3	..	..	309·4	7th	..	290·4	20th	..	..	‡*296·4*	..	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	823·2	..	+ 1·7	..	299·4	29th	..	278·9	2nd	..	−0·9	*289·8*	31	− 7
616a	Monterry	25 40	100 19	535	956·2	1017·0	..	..	306·0	25th	..	280·4	21st	..	..	*294·1*	5	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	295·0	..	..	281·5	..	..	+0·3	288·0	38	− 19
618	Galveston	29 18	94 50	16·5	1016·4	1018·6	+ 1·7	296·6	303·6	5th	290·0	278·0	30th	293·3	−1·8	*293·6*	38	− 76
618a	New Orleans	29 58	90 4	16·2	..	1018·3	+ 1·4	297·1	303·6	18th	287·2	277·4	30th	292·1	−2·2	*291·6*	18	− 63
619	Merida, Yuc	20 58	89 41	22	1011·4	1013·9	..	..	304·6	17th	..	293·6	25th	..	..	‡*298·5*	153	..
620	Havana	23 8	82 21	24·3	..	1014·7	+ 1·5	301·8	304·4	15th	296·3	294·7	4th	299·1	+0·2	*298·8*	116	− 54
620a	Key West	24 33	81 48	6·7	1013·8	1014·5	+ 0·7	301·9	303·6	17th	296·7	294·1	3rd	299·3	+0·1	*299·0*	93	− 49
621	Nassau, Bahamas	25 5	77 21	3·7	..	1015·7	+ 1·3	302·5	304·7	7th	296·8	294·7	4th	299·7	+0·1	*299·7*	158	0
622	Watling Island	24 6	74 26	33·5	1010·1	1013·9	+ 0·7	..	304·1	19th	..	296·9	30th	..	..	*301·2*	..	..
633	Izaña	28 19	16 30	2367	770·2	..	..	284·4	291·0	3rd	277·0	272·8	17th	280·7	..	*280·3*	27	..
634	La Laguna	28 28	16 20	547	955·4	1018·4	+ 0·3	294·5	298·8	3rd	287·4	283·4	21st	290·9	−0·9	*290·3*	60	− 1
637	Insalah	27 8	W 2 27	?280	..	..	..	309·2	313·6	2nd	288·5	277·3	31st	298·9	−0·8	*300·9*	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1000·3	1011·8	+ 0·5	308·2	313·5	23rd	292·8	290·4	29th, 30th	300·5	−1·1	*299·5*	..	..
644	Tor	28 14	33 37	1·9	1012·0	1012·2	− 0·3	300·7	304·6	9th	290·9	286·0	18th	295·8	−1·0	*295·8*	..	..
647	Bushire	28 59	50 53	4·3	1011·1	1011·7	− 1·6	302·4	304·3	1st	293·3	290·4	29th	297·9	−1·5	*297·2*	0	− 3
648	Jask	25 44	57 47	4·0	1010·8	1011·3	− 1·3	306·0	309·9	6th	295·3	292·6	28th	300·7	−0·7	*300·0*	0	− 1
649	Robat	29 45	60 55	?	909·9	..	..	302·9	308·1	2nd, 3rd	283·4	277·7	24th	293·1	..	..	0	..
649a	Karachi	24 53	66 57	4·0	1009·1	1009·6	− 2·3	304·9	308·6	22nd, 24th	295·3	290·5	28th	300·1	+0·6	*299·4*	6	+ 6
650	Hyderabad, Sind	25 24	68 18	29·3	1005·8	1009·0	− 2·1	307·9	311·0	6th	293·5	287·4	28th	300·7	−1·2	*300·0*	1	+ 1
650a	Jacobabad	28 17	68 29	56·7	1003·0	1009·5	− 1·6	308·4	310·4	6th	290·7	283·6	30th	299·5	−0·8	*298·7*	0	0
651	Jaipur	26 56	75 52	436	961·3	1010·1	− 2·3	303·6	306·7	20th	291·0	283·9	31st	297·3	−1·8	*296·7*	72	+ 65
652	Nagpur	21 8	79 5	310	973·5	1008·1	− 3·3	303·6	305·2	28th	295·1	290·1	31st	299·3	+0·1	*298·8*	104	+ 55
653	Allahabad	25 25	81 51	94·1	998·1	1008·9	− 2·4	304·3	305·9	27th	294·8	290·9	12th	299·5	+0·4	*298·7*	46	− 18
653a	Darjiling	27 3	88 18	2266	776·7	..	− 1·8	290·2	293·0	5th	283·6	280·8	22nd	286·9	+0·8	*286·9*	497	+383
654	Calcutta	22 36	88 23	6·4	1007·0	1007·7	− 3·3	303·6	305·2	21st	297·7	296·4	9th	300·6	+0·6	*300·2*	287	+188
655	Gauhati	26 8	91 41	59·7	1004·1	1010·9	− 1·4	302·7	306·3	1st	294·9	292·1	24th	298·8	−0·2	*298·1*	131	+ 68
655m	Cherrapunji	25 15	91 42	1314	868·1	..	− 1·7	295·5	298·5	1st	288·9	286·6	27th	292·2	+0·2	*291·5*	687	+319
655a	Akyab	20 11	92 56	6·1	1008·1	1008·7	− 2·3	304·1	305·8	25th	297·2	295·8	18th	300·7	−0·2	*300·3*	241	− 10
656	Mandalay	21 59	96 0	76·2	1002·3	1011·0	?− 0·5	306·4	308·3	18th	297·1	294·4	7th	301·8	+0·3	*301·4*	214	+ 87
656a	Tengyueh	24 59	98 35	1633	834·1	..	..	295·3	297·4	2nd	285·1	278·6	23rd	290·2	..	*289·7*	70	..
657	Phu Lien	20 48	106 37	116	998·5	1011·9	− 1·5	301·8	304·9	28th	295·1	293·1	30th	298·4	+0·1	297·9	143	+ 11
658	Moncay	21 31	107 51	9	1011·3	1012·3	− 1·3	302·8	305·2	24th	294·3	290·9	30th	298·6	+0·4	*297·9*	115	− 32
659	Hong Kong	22 18	114 10	33·2	..	1012·4	− 1·2	300·4	303·4	16th	296·2	292·4	30th	298·3	+0·3	298·0	88	− 35
660	Amoy	24 27	118 4	ca.3	1014·0	1014·3	− 1·5	300·8	304·1	4th	294·6	290·2	30th	297·7	−0·3	*297·5*	6	− 47
661	Taihoku, Formosa	25 2	121 31	9·3	1012·6	1013·7	− 1·0	300·0	305·8	3rd	293·3	289·9	30th	296·7	0·0	296·1	112	− 21
661a	Santo Domingo	20 28	121 59	18·7	..	1007·3	− 2·5	302·9	304·5	4th, 31st	296·9	295·6	23rd	299·9	+0·2	*299·8*	407	+ 52
662	Naha	26 13	127 41	10·5	1011·1	1012·3	− 1·4	301·2	304·1	5, 16, 22	294·2	290·8	30th, 31st	297·7	+0·4	297·4	401	+230
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1014·4	1014·8	+ 1·0	303·2	304·9	2nd	296·7	294·0	29th	299·9	+0·6	299·1	87	− 37

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

OCTOBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 14	103 47	507	956·1	1012·8	..	..	307·8	8th	..	291·5	26th	..	..	*299·2*	121	..
716	Morelia	19 42	101 12	1939	809·1	..	..	..	297·7	18th	..	280·0	1st	..	..	*288·6*	59	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·9	1012·4	+ 0·6	294·9	297·6	8th, 18th	280·9	274·7	1st	287·9	−0·8	286·8	75	+ 22
718	Oaxaca	17 3	96 45	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718a	Salina Cruz	16 12	95 12	56·3	1005·6	1012·0	..	304·2	306·4	27th	297·1	293·8	30th	300·6	..	*300·1*	5	..
719	San Salvador	13 42	89 12	‡665	936·5	1011·0	+ 0·3	305·5	307·6	15th, 27th	291·3	289·0	25th, 26th	298·4	−0·2	*295·5*	328	+ 62
720	Belize	17 29	88 12	5·2	1012·1	1012·7	+ 1·9	301·5	303·6	15, 18, 30	296·3	293·6	25th	298·9	−1·0	*298·5*	433	+ 88
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·6	+ 1·8	303·3	305·1	3rd	295·0	293·9	25th	299·2	−0·4	*298·7*	117	− 96
722	Port au Prince	18 34	72 22	37·4	1008·7	1013·0	+ 1·2	304·7	306·4	10th	294·9	292·9	3rd, 18th	299·8	−0·3	299·3	183	+ 1
723	Caracas	10 30	66 55	‡1010	900·4	..	+ 0·7	298·7	300·0	10th, 19th	287·8	286·0	21st	293·3	−0·1	*293·3*	61	− 36
724	Montserrat	16 41	62 9	39·6	1009·1	1013·6	+ 0·2	304·1	305·8	27th	295·2	292·4	12th	299·7	..	*299·1*	175	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	993·8	1011·7	+ 0·6	302·6	304·7	12th	296·8	295·2	14th	299·7	0·0	*299·1*	201	+ 15
725	Barbados	13 8	59 36	55·2	..	1012·8	+ 0·4	302·6	303·4	12, 25, 28	295·3	293·3	4th	298·9	−0·3	*299·0*	113	− 44
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·6	1013·8	+ 0·4	300·2	301·8	16th	295·4	293·4	17th, 30th	297·8	−1·0	298·7	0	− 31
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1008·9	1013·5	− 0·2	301·9	305·2	23rd	296·7	295·0	16th	299·3	−0·4	*299·5*	0	− 33
733	Bathurst	13 24	16 36	1·5	..	1013·1	+ 1·0	303·4	305·2	16th, 20th	..	..	..	..	−0·2	*301·1*	30	− 69
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	308·6	309·7	22, 24, 31	288·9	288·0	1st	298·8	−2·9	..	15	− 25
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	312·3	314·0	8th	294·5	291·0	31st	303·4	−1·4	*302·7*	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	311·2	313·0	20th, 27th	293·0	289·7	14th	302·1	+0·5	*301·4*	0	− 11
738	Kaduna Capital	10 32	7 25	637	944·4	1015·5	+ 1·3	304·4	306·3	26th	290·6	287·4	29th	297·5	−1·0	*296·8*	0	− 60
739	Katagum	12 17	10 22	30·7	..	..	..	309·8	311·9	27th	289·9	285·8	28th, 30th	299·8	−1·4	*299·1*	0	− 9
740	Maiduguri	11 47	13 11	361	..	..	..	311·1	313·6	18th	292·6	289·7	14th	301·9	−0·1	*301·2*	0	− 14
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	0	..
743	El Obeid	13 11	30 14	569	946·3	1009·6	+ 1·0	305·5	307·0	3, 10, 12	291·2	286·4	30th	298·3	−1·8	*298·6*	1	− 17
743a	Khartoum	15 37	32 33	390	964·7	1008·0	+ 0·4	310·8	313·0	4th, 8th	296·1	293·6	31st	303·5	−1·1	*303·6*	0	− 5
744	Port Sudan	19 37	37 13	5·9	1009·9	1010·5	− 0·4	306·2	311·0	6th	295·8	292·3	7th	301·0	−0·8	*300·9*	15	+ 7
745	Berbera, Somaliland	10 22	45 2	9·2	1011·3	1012·4	+ 0·5	307·2	309·7	1st, 27th	297·4	291·9	31st	302·3	+1·5	*303·0*	0	− 1
746	Aden	12 45	45 3	28·7	1007·5	1010·7	− 1·8	306·2	308·6	2nd	298·7	296·6	31st	302·4	+0·7	*301·5*	0	− 2
751	Bombay	18 54	72 49	11·3	1007·3	1008·5	− 3·2	302·3	305·2	22nd	297·6	294·8	31st	299·9	−0·8	*299·2*	507	+460
751a	Cochin	10 58	76 21	2·7	1010·2	1010·4	− 1·0	302·3	303·4	29th	296·3	293·8	31st	299·3	−0·7	*298·6*	281	− 51
752	Kodaikanal	10 14	77 28	2343	769·2	..	− 1·8	290·6	292·6	15th	282·9	281·1	29th	286·8	−0·1	*286·8*	101	−177
752a	Bangalore	12 59	77 38	920	908·9	1009·6	− 1·7	299·7	302·1	13th	291·0	287·5	31st	295·3	−0·6	*294·5*	108	− 52
753	Madras	13 4	80 14	6·7	1007·7	1008·4	− 2·2	304·7	307·7	10th	297·1	295·2	2nd	300·9	+0·1	*300·2*	471	+185
754	Waltair	17 45	83 16	68·9	999·4	1007·3	− 3·4	303·1	305·5	30th	297·5	295·6	27th	300·3	−0·6	*299·6*	237	+ 73
755	Port Blair	11 40	92 40	17·7	1007·4	1009·3	− 1·5	302·5	304·0	17th	297·6	295·8	27th	300·1	−0·6	*299·4*	238	− 38
756	Rangoon	16 46	95 48	5·5	1009·4	1010·0	− 1·3	303·7	305·8	21st	296·9	295·3	10th	300·3	−0·3	*299·4*	238	+ 67
757	Saigon	10 47	106 42	11·2	1006·6	1007·9	− 1·5	303·1	305·4	15th	295·5	294·7	31st	299·3	−1·0	*298·8*	603	+337
758	Nhatrang	12 15	109 12	3·6	1007·5	1007·9	− 2·0	302·5	304·6	12th	296·3	294·9	18th	299·4	−0·4	*299·0*	440	+130
759	Bolinao	16 24	119 53	9·7	..	1005·6	− 2·2	305·5	307·0	30th	297·1	295·2	5th	301·3	+0·4	*300·6*	139	− 45
761	Vigan	17 34	120 23	12·2	..	1007·2	− 1·4	304·7	307·0	18th	296·7	295·1	3, 9, 17	300·7	+0·2	300·5	121	− 61
761a	Manila	14 35	120 59	14·2	..	1007·6	− 1·5	304·3	306·2	28th	296·1	294·9	29th	300·2	−0·6	299·1	341	+153
762	Ormoc	11 0	124 36	5·6	..	1007·8	− 0·9	304·3	306·4	16th	295·9	294·3	15th	300·1	0·0	299·0	215	− 20
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	..	1008·5	+ 0·5	302·5	304·0	8th	297·0	295·6	18th	299·7	−0·6	*299·4*	328	− 12

Between Latitude 10° N. and 0°. OCTOBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal.
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	..	..	..	304·4	306·2	1st	296·7	295·0	21st	300·6	0·0	*299·6*	8	− 89
821	Colon	9 23	79 23	11·0	..	1010·7	+ 0·3	301·7	304·1	6th	296·6	295·2	25th	299·2	−0·1	*298·8*	200	−178
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	74	− 68
822a	Merida, Venez	8 36	71 9	1641	‡ 841·5	..	..	296·5	298·8	1st	287·8	286·2	13th	292·1	..	*291·0*	276	..
824	El Peru, Guayanavieja	7 30	62 0	220	? 984·7	?1009·7	+ 0·2	302·3	303·4	21st	295·1	293·4	27th	298·7	0·0	*298·2*	78	− 11
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·1	+ 1·4	302·7	303·6	10, 24, 25	297·2	295·2	13th	299·9	−0·4	*299·8*	139	+ 79
826	Paramaribo	5 49	55 9	3·7	..	..	..	304·2	305·2	18th	‡294·3	‡292·4	12th	‡299·3	−0·7	*298·7*	53	− 20
826a	Cayenne	4 56	52 21	6	..	..	..	305·2	307·6	12th	296·1	294·0	13th	300·6	−0·6	*300·2*	0	− 34
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1005·8	1013·7	+ 1·8	303·8	305·2	sev. dates	295·5	294·1	18th, 21st	299·7	−0·1	*298·3*	201	−123
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	57	+ 8
836	Accra	5 33	W 0 12	25·7	..	..	..	302·9	..	..	297·4	..	..	300·2	+1·5	*299·8*	62	+ 15
837	Lagos	6 27	E 3 24	1·8	1011·9	1012·1	− 1·2	303·6	308·6	..	296·4	294·8	..	300·0	+0·8	*299·5*	125	− 71
838	Zungeru	9 48	6 10	130	..	..	..	306·7	309·1	30th	294·1	291·9	30th	300·4	+0·5	*299·7*	22	− 58
838a	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
839	Yola	9 12	12 30	259	..	..	..	308·3	310·8	26th	295·6	293·0	1st	301·9	+1·2	*301·2*	13	− 65
841	Wau	7 42	28 3	440	959·6	1009·1	− 0·4	305·5	307·5	sev. dates	292·7	291·0	18, 20, 31	299·1	−0·4	*297·9*	160	+ 33
843	Mongalla	5 11	31 47	439	960·4	1009·8	+ 0·9	..	..	..	293·7	292·5	sev. dates	..	−0·8	*297·8*	57	− 52
843a	Malakal (Kodok)	9 35	31 37	394	965·5	1010·0	+ 1·0	305·9	308·3	19th	293·9	290·6	31st	299·9	..	*298·2*	163	+ 81
844	Entebbe	0 5	32 29	1171	883·7	..	+ 0·2	300·0	301·6	24th	290·8	290·2	3, 21, 31	295·4	+0·6	*294·1*	141	+ 52
845	Harrar	9 42	42 30	1856	..	..	..	297·4	299·0	sev. dates	285·5	283·0	23, 25, 29	291·4	−1·6	..	7	− 28
851	Minicoy	8 17	72 49	2·1	1011·1	1011·3	− 0·2	..	..	..	..	..	..	..	..	..	121	− 88
852	Colombo Observatory	6 54	79 53	7·3	1008·5	1009·3	− 0·4	302·2	303·2	12th	296·9	294·4	31st	299·6	−0·3	*298·9*	108	−249
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	292·6	295·5	8th	284·4	279·6	8th	288·5	+0·3	*287·9*	162	−120
854	Trincomalee	8 34	81 14	30·2	1003·9	1007·3	− 0·7	305·5	308·2	11th	297·0	295·9	30th	301·2	+0·3	*300·5*	43	−165
855	Kota Radja	5 32	95 20	7·1	..	1008·9	− 2·2	..	..	..	..	..	..	..	..	..	89	− 96
856	Medan	3 35	98 41	25·0	..	1008·9	− 1·5	303·2	305·8	2nd	293·1	291·6	26th	298·1	..	297·0	174	− 86
857	Penang	5 34	100 20	5·0	1006·8	1007·4	− 2·9	303·3	305·8	4th	295·0	293·6	20th	299·1	−0·9	*298·6*	289	−133
858	Singapore	1 17	103 51	3	1008·4	1008·7	− 1·4	304·2	306·6	27th	296·4	294·9	18th, 19th	300·3	0·0	*299·8*	201	− 4
859	Sandakan	5 50	118 7	31·7	..	..	..	304·8	305·8	4th	296·4	295·2	28th	300·6	+0·1	*300·1*	289	+ 35
860	Iwahig	9 44	118 38	4·3	..	1006·2	− 1·3	303·8	305·8	27th	295·0	293·7	1st	299·4	..	*298·7*	281	..
861	Tagbilaran	9 38	123 51	21·3	..	1007·5	− 0·9	304·0	305·4	21st	296·2	295·0	18th	300·1	−0·8	299·1	216	+ 17
861a	Menado	1 30	124 50	8·5	..	1008·7	− 0·2	302·8	304·7	8th	295·8	294·6	30th	299·3	..	298·4	397	+285
862	Surigao	9 48	125 29	6	..	1007·6	− 0·8	303·1	305·2	27th	296·4	295·1	31st	299·7	−0·6	299·4	147	− 82
863	Yap	9 29 N.	138 8 E.	31·9	..	1007·4	− 0·1	305·9	307·6	24th	296·9	295·3	14th	301·4	+0·1	*300·2*	210	− 49

* For formulæ employed *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

OCTOBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature Diff. from Normal.	Temperature †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1012·0	1012·9	+ 1·7	304·2	305·2	23rd	296·1	294·7	24th	300·2	−0·8	*299·5*	2	− 22
924	Manaos	3 8	60 1	43·8	..	..	..											
926	Taperinha	2 30	54 42	20·0	1008·5	1010·8	..	305·7	309·0	25th	296·6	295·0	31st	301·1	−1·4	*299·9*	58	− 43
927	Turyassu	1 43	45 27	15·1	1009·4	1011·1	0·0	305·4	306·8	17th, 29th	295·3	294·2	12th	300·3	..	*299·1*	9	..
928	Barra do Corda	5 31	45 16	81·0	1001·0	1010·4	+ 0·1	306·2	308·0	27th	295·9	292·9	11th	301·1	−0·1	*299·7*	9	− 3
929	Quixeramobim	5 16	39 15	207	988·3	1011·7	− 0·3	306·2	308·1	11th	293·9	291·4	11th	300·1	−0·7	*299·1*	51	+ 8
930	Fernando Noronha	3 50	W32 55	106	1000·9	1013·2	− 0·4	307·5	308·5	18th	297·7	296·9	14th	302·6	+0·2	*301·4*	0	− 1
								300·8	301·9	18th, 23rd	297·0	295·4	10th	298·9	..	*298·1*	10	+ 4
939	Loanda	8 49	E 13 13	59·3	..	1013·1	+ 0·9	297·7	300·0	7th	293·9	293·0	4th, 7th	295·8	−0·9	295·4	2	− 4
940	Brazzaville	4 17	15 16	290	978·5	1011·5	− 0·5	303·7	306·4	4th	293·2	291·4	9th	298·4	−0·5	*297·7*	124	− 19
943	Masaka	0 21	31 47	?1280	..	..	..	297·5	299·7	21st	288·4	286·9	26th, 30th	292·9	−0·4	*292·2*	*29*	− 66
944	Nairobi	1 14	36 44	1800	..	..		296·3	299·1	31st	284·1	280·8	2nd	290·2	−1·4	*289·5*	132	+ 85
944*a*	Zanzibar	6 10	39 11	21·9	1014·1	1016·5	+ 0·1	301·1	302·7	26th	296·7	295·7	7th	298·9	−0·4	*298·2*	58	− 36
945	Lamu	2 16	40 50	3·1	..	..	..	306·9	308·0	16th	295·8	295·2	3rd	301·3	+1·4	*300·6*	0	− 32
947	Seychelles, Port Office	4 37	55 27	4·6	1011·9	1012·5	− 0·2	300·7	301·9	20th	297·8	295·9	15th	299·3	+0·1	*298·7*	11	− 117
957	Padang	0 56	100 22	6·7	..	1010·9	− 0·1	303·2	305·0	7th	295·8	294·7	17th	299·5	..	298·8	516	+ 5
958	Batavia	6 11	106 50	8·0	1008·6	1009·5	− 0·8	302·6	304·8	8th	296·1	295·1	30th	299·3	−0·8	298·7	223	+111
958*a*	Pontianak	0 1	109 20	2·6	..	1009·3	− 1·1	304·0	306·0	4th	296·2	294·7	4th	300·1	..	299·1	152	− 224
959	Passeroean	7 38	112 55	5·0	..	1009·3	− 1·0	304·0	306·1	4th	296·4	295·1	11th	300·2	−0·4	300·1	70	+ 55
960	Kajoemas	7 56	114 9	1060	..	..	..	299·1	304·2	7th	291·5	290·6	1st	295·3	..	294·1	69	+ 30
962	Ambon	3 42	128 10	4·2	..	1009·0	− 0·7	302·7	304·4	6th	296·4	295·3	12th	299·5	+0·4	298·9	220	+ 60
963	Manokwari	0 52	134 20	19·0	..	1007·7	− 1·2	302·3	303·7	7th	296·2	294·3	6th	299·3	..	298·8	211	+120
965	Daru	9 4	143 13	7·6	..	..	..	302·6	..	..	..	..	..	..	+0·2	‡*300·9*	374	+319
966	Port Moresby	9 29	147 9	39·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
967																		
968	Rendova	8 30	157 12	1·8	1009·5	1009·8	0·0	..	..	..	..	..	..	..	..	..	252	−115
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·2	1010·5	+ 0·5	303·1	306·9	13th	296·7	295·2	8th	299·9	−0·4	*299·7*	275	+ 75
970	Ocean Island	0 52 S.	169 35 E.	25·6	1005·2	1007·4	− 1·0	304·6	305·2	sev. dates	297·7	296·9	4th, 8th	301·2	+0·2	*300·4*	4	−118

OCTOBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature Diff. from Normal.	Temperature †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1012·7	+ 1·6	301·9	303·0	sev. dates	295·1	292·9	8th	298·5	−0·8	297·9	238	+ 56
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·6	305·2	18th	293·1	290·2	21st	297·3	..	*297·1*	245	+159
1007	Makatea	15 47	148 14	47	1010·1	1015·5	..	304·4	307·0	30th	295·7	294·8	16th	300·0	+0·8	*299·4*	33	−149
1021	Arequipa	16 22	71 33	2451	761·2	..	0·0	293·2	296·3	28th	280·8	276·9	12th	287·0	−0·4	*286·3*	0	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	292·2	293·2	30th, 31st	285·7	285·0	6th	288·9	+0·2	*290·6*	0	0
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	730·0	..	..	289·9	296·0	29th	279·7	276·0	6th	284·8	..	*285·2*	34	− 2
1025	Corumba	19 0	57 39	116	997·6	1011·1	..	304·0	309·6	9th	293·3	289·4	6th	298·7	..	..	76	− 26
1026	Cuyaba	15 36	56 6	165	991·4	1010·2	+ 0·8	303·7	307·0	25th	297·3	293·0	6th	300·5	−0·7	*300·2*	204	+ 88
1027	Bello Horizonte	19 55	43 55	857	918·6	1014·1	+ 0·1	299·5	305·0	13th	290·4	288·6	21st	294·9	+0·2	*294·6*	185	+ 67
1028	Caetite	14 2	42 39	900	914·7	1013·7	− 1·0	302·7	306·6	27th	290·9	287·9	31st	296·8	+1·7	*297·9*	48	− 23
1029	Ondina (Bahia)	13 0	38 30	46·6	1008·1	1013·5	− 0·2	302·1	304·1	19th	294·4	293·0	6th	298·3	0·0	*297·5*	74	− 58
1030	Aracaju	10 55	37 3	4·0	1014·0	1014·4	− 0·2	301·7	303·0	31st	295·1	294·0	1st	298·4	+0·4	*299·3*	11	− 40
1035	St. Helena	15 57	W 5 40	632	946·2	1018·6	0·0	291·3	293·5	8th, 29th	284·7	283·6	19th	288·0	+0·1	*287·6*	32	− 17
1042	Gwelo	19 27	E 29 49	1417	860·8	..	− 1·4	305·3	309·1	17th	286·3	281·3	1st	295·8	+1·3	..	3	− 14
1043	Salisbury, Rhodesia	17 48	31 5	1457	856·4	..	− 1·2	305·3	310·2	4th	283·8	278·6	1st	294·6	+0·1	..	3	− 28
1044	Zomba	15 23	35 18	‡945	907·4	1011·3	− 0·8	304·1	307·4	31st	289·8	285·2	1st	296·9	+0·5	*296·9*	21	− 18
1045	Tananarivo	18 55	47 32	1400	866·2	..	+ 0·4	298·4	301·4	24th	284·3	280·9	3rd	291·4	−1·1	*290·1*	16	− 50
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·6	1012·2	− 1·4	302·2	303·6	18th	297·7	295·2	4th	300·0	+0·4	*299·6*	96	− 19
1056																		
1057	Christmas Island	10 25	105 43	5·5	1007·9	1008·5	− 1·7	303·4	305·2	..	296·8	295·2	..	300·1	−0·1	*299·6*	141	+ 51
1058																		
1061	Koepang	10 10	123 34	45·1	..	1009·5	− 1·2	306·4	308·9	29th	296·4	293·5	10th	301·4	..	301·0	9	− 6
1061*a*	Derby	17 18	123 40	16·2	1008·5	1010·3	− 1·1	308·2	314·7	6th	297·2	294·0	1st	302·7	+0·6	..	10	+ 9
1062	Hall's Creek	18 13	127 46	374	969·1	1009·9	− 1·0	309·8	313·0	5th	296·0	287·4	9th	302·9	+1·2	*302·3*	35	+ 18
1063	Port Darwin	12 28	130 51	29·6	1006·1	1009·5	− 0·7	306·7	308·0	8, 18, 30	298·3	295·5	11th	302·5	−0·1	*301·4*	43	− 12
1064	Daly Waters	16 16	133 23	211	984·8	1008·0	− 1·8	310·3	314·1	4th, 23rd	295·3	286·3	11th	302·8	−0·1	*302·2*	59	+ 38
1065	Mein	13 13	142 47	122	995·5	1009·1	− 1·6	306·6	310·2	7th, 8th	295·1	290·9	24th	300·8	+0·5	*300·0*	12	− 3
1066	Georgetown, Queensland	18 22	143 32	302	978·1	1011·6	− 0·6	307·8	311·3	24th	293·1	288·0	10th	300·4	−0·2	..	9	− 10
1067	Samarai	10 37	150 40	15·2	..	..	..	301·9	..	..	295·3	..	..	298·6	−0·4	*298·4*	270	+102
1072	Suva, Fiji	18 8	178 26	16·8	1013·2	1015·1	+ 0·5	300·7	302·7	3rd	294·3	291·3	6th	297·5	+0·1	*297·3*	343	+145
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

OCTOBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	297·2	302·4	20th	293·1	290·2	27th	295·1	−0·6	*294·9*	272	+169
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·0	1017·2	+ 0·5	289·4	292·8	16th	284·3	281·0	10th	286·9	+0·2	*286·6*	0	0
1122	Iquique	20 12	70 11	9	1015·2	1016·3	+ 0·2	294·6	296·4	21st	284·9	283·0	sev. dates	289·7	−0·4	*289·9*	0	0
1123	Catamarca	28 27	65 47	529	..	1011·6	+ 1·0	302·6	310·4	29th	287·8	279·7	4th	295·2	−0·8	294·7	3	− 15
1124	Salta	24 46	65 28	1178	883·0	1011·6	+ 0·6	297·5	305·6	21st	284·1	279·4	18th	290·8	−0·6	291·6	30	+ 10
1125	Goya	29 9	59 15	26	..	1015·8	+ 2·2	301·1	309·6	31st	285·9	277·2	6th	293·5	+1·5	294·3	25	− 90
1126	Asuncion	25 21	57 37	95	‡1004·8	‡1016·0	+ 1·7	300·3	306·0	25th	288·3	282·8	7th	294·3	−2·3	293·5	136	+ 2
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1007·7	1015·0	+ 0·5	295·9	305·3	..	291·5	288·7	..	293·7	−1·3	293·5	98	+ 11
1139	Windhoek	22 34	E 17 6	1665	..	..	..	300·8	305·2	27th	287·0	284·5	16th, 17th	293·9	−0·4	*294·1*	0	− 9
1140																		
1141	Kimberley	28 42	24 47	1202	881·2	..	− 1·0	301·4	306·9	7th	283·8	279·1	17th	292·6	+0·8	292·6	1	− 24
1142	Johannesburg	26 11	28 4	1806	823·3	..	− 0·6	297·4	302·1	30th	283·8	278·0	4th	290·6	+0·6	*290·3*	17	− 44
1142*a*	Pretoria	25 45	28 12	1338	870·0	..	− 0·2	300·8	305·3	31st	285·2	279·7	4th	293·0	0·0	*292·7*	20	− 44
1143	Durban	29 52	31 3	15·2	1016·9	1018·7	− 0·3	295·3	298·8	9th	289·0	285·3	19th	292·2	−0·7	*291·6*	677	+559
1144	Lorenzo Marques	25 58	32 36	59	..	1015·8	− 0·5	299·7	308·0	10th	290·1	286·9	20th	294·9	−1·2	294·3	153	+ 77
1147	Mauritius	20 6	57 33	55·2	1011·3	1017·8	− 0·4	298·3	300·1	16th	290·5	287·1	16th	294·4	−1·1	294·1	168	+133
1159	Onslow	21 43	114 57	4·3	1010·8	1011·6	− 1·1	305·0	310·2	27th	289·9	286·3	11th, 12th	297·4	+0·5	..	0	− 1
1160	Peak Hill	25 38	118 47	588	945·9	1011·3	− 0·7	300·8	305·9	15th, 25th	286·9	282·0	3rd	293·9	−1·3	..	11	+ 6
1161	Nullagine	21 53	120 5	386	968·1	1010·6	− 0·9	307·1	310·4	22nd	290·1	283·1	31st	298·6	−0·3	..	34	+ 28
1162	Laverton	28 40	122 23	466	962·1	1014·9	+ 0·4	297·8	306·6	15th	284·2	279·7	5th	291·0	−1·9	*290·9*	12	+ 4
1163	Alice Springs	23 38	133 37	587	946·9	1011·7	− 0·4	303·1	310·2	1st	289·2	276·3	10th	296·1	+0·2	*296·1*	18	− 1
1164	William Creek	28 55	136 21	76·2	1005·2	1014·0	− 0·4	301·8	313·6	19th	287·8	280·5	8th	294·8	+0·5	*294·5*	9	− 1
1164*a*	Boulia	22 55	139 38	146	994·6	1010·8	− 0·9	307·4	315·4	23rd	290·8	280·9	10th	299·1	−0·1	*299·1*	7	− 5
1165	Thargomindah	27 58	143 43	123	996·4	1010·4	..	302·8	311·3	3rd	289·8	280·8	9th, 10th	296·3	..	*296·0*	4	− 18
1166	Mitchell	26 32	147 52	336	..	..	..	300·2	306·0	23rd	285·1	273·0	10th	292·7	−0·8	..	54	+ 19
1167	Rockhampton	23 24	150 30	11·3	1014·9	1016·2	+ 0·7	300·7	305·4	29th	290·2	281·3	11th	295·4	−1·5	*294·7*	39	− 7
1168	Brisbane	27 28	153 2	11·6	1016·5	1017·8	+ 1·5	298·6	303·2	22nd	288·2	282·4	10th	293·4	−0·6	*292·8*	40	− 27
1169	Quitchambo	21 52	166 3	38	1010·9	1015·4	..	301·8	306·0	30th	287·6	282·0	17th	294·7	..	..	188	+121
1170	Norfolk Island	29 5 S.	167 53 E.	15·2	1019·0	1020·5	+ 2·8	293·9	297·4	7th, 30th	289·6	285·3	20th	291·7	+0·6	*291·3*	267	+170

OCTOBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	289·6	293·0	23rd, 27th	285·5	283·0	9th	287·5	+0·8	*287·2*	34	− 9
1221*a*	Punta Tumbes	36 37	73 6	91	‡1006·8	‡1017·9	− 0·4	289·0	295·8	5th	281·0	279·0	sev. dates	285·0	+0·1	*285·1*	6	− 9
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1012·4	1017·3	− 0·5	291·5	301·4	17th	282·6	280·5	29th	287·1	−0·5	*286·7*	1	− 10
1222*a*	Santiago	33 27	70 42	520	955·8	1016·4	− 0·2	296·9	302·5	26th	280·3	276·7	12th	288·6	+0·7	*287·1*	0	− 14
1223	Cordoba	31 25	64 12	423	966·4	1015·5	+ 1·8	298·3	306·8	..	283·1	277·0	..	290·7	0·0	290·4	24	− 37
1224	Bahia Blanca	38 45	62 15	25	..	1016·6	+ 1·4	294·9	300·7	15th	281·9	272·2	6th	288·4	+0·2	288·2	9	− 48
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1017·8	+ 1·4	293·6	302·9	23rd	282·2	273·7	6th	287·9	−2·0	288·1	49	− 37
1226	Montevideo (Prado)	34 52	56 12	24·9	1015·1	1018·1	+ 1·2	292·3	301·7	23rd	281·9	274·9	28th	287·1	−0·7	287·2	30	− 33
1226*a*	Porto Alegre	30 2	W51 13	23·5	1013·8	1016·4	− 0·1	296·7	305·2	30th	285·9	280·9	6th	291·3	+0·1	291·3	22	− 49
1239	Cape Town	33 56	E 18 29	12·2	..	1017·6	− 0·1	295·1	301·9	28th	284·6	280·8	4th	289·8	+0·7	*288·8*	28	− 16
1240	Danger Point	34 37	19 18	19·5	..	..	..	291·6	296·9	12th	285·4	282·4	24th	288·5	..	..	33	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	297·9	..	..	283·5	276·9	12th	290·7	..	..	37	− 12
1242	East London	33 2	27 53	9·8	1016·6	1017·8	+ 0·7	294·0	305·8	10th	287·7	283·0	17th, 19th	290·8	+0·4	..	110	+ 7
1259	Perth (Observatory)	31 57	115 51	60·0	1009·4	1016·8	0·0	293·1	302·7	29th	284·2	277·9	4th	288·7	−0·4	*288·5*	73	+ 19
1260	Katanning	33 42	117 35	310	980·6	1017·0	+ 1·3	291·5	301·5	30th	279·8	274·2	4th	285·7	−1·2	..	35	− 5
1261	Coolgardie	30 57	121 10	423	967·0	1015·7	+ 0·8	295·8	305·1	31st	281·6	276·3	4th	288·7	−1·9	*288·6*	14	− 5
1262	Eucla	31 45	128 58	4·6	1014·8	1015·4	+ 0·2	292·9	308·4	15th	282·7	276·9	7th	287·8	−2·2	*287·3*	20	+ 2
1263	Streaky Bay	32 48	134 13	13·1	1015·3	1016·9	+ 1·1	295·1	304·7	25th	283·6	277·4	8th	289·3	−0·6	*288·7*	21	− 3
1264	Adelaide	34 56	138 35	42·7	1010·6	1015·8	− 0·3	293·7	303·7	16th	282·9	276·2	9th	288·3	−1·3	*288·0*	53	+ 9
1265	Melbourne	37 49	144 58	35·1	1010·3	1014·5	− 0·2	292·2	299·1	16th, 19th	282·8	274·7	8th	287·5	+0·3	286·9	93	+ 27
1266	Bourke	30 13	145 58	110	1004·8	1017·5	+ 2·6	302·4	311·3	3rd	286·3	278·0	6, 9, 10	294·3	−0·1	..	24	− 2
1267	Sydney	33 52	151 12	44·5	1010·9	1016·2	+ 1·1	294·3	304·6	20th	286·5	280·2	10th	290·4	−0·1	*290·1*	112	+ 37
1268	Lord Howe Island	31 32	159 4	4·6	1017·8	1018·4	..	296·0	296·9	20th	288·3	283·7	8th	292·2	..	..	117	− 22
1271	Auckland	36 50	174 50	38·1	..	1020·3	..	291·1	294·7	25th	284·6	279·4	13th	287·9	+0·8	..	132	+ 41
1272	Napier	39 32 S.	176 53 E.	21·3	..	1018·4	+ 5·5	292·7	297·4	28th	283·5	276·9	14th, 15th	288·1	+0·9	..	42	− 12

OCTOBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	40	− 18
1321	Isla Huafo	43 34	74 45	140	1001·8	1018·9	+ 0·8	283·9	287·0	9th	280·2	279·0	29th	282·1	0·0	*282·0*	43	− 12
1322	Punta Galera	40 1	73 44	40	1014·3	1019·2	+ 0·6	285·9	289·4	30th	280·7	278·0	9th	283·3	−0·1	*283·9*	94	− 13
1323	Sarmiento	45 30	69 0	274	..	1012·4	..	293·4	299·0	2nd, 15th	279·8	273·4	31st	286·6	+1·6	286·0	1	− 4
1324	Puerto Madryn	42 49	W64 58	14	..	1013·9	..	294·8	304·6	27th	281·0	273·0	5th	287·9	+0·9	287·2	1	− 15
1365	Launceston	41 27	E147 10	9·4	1010·6	1011·8	+ 0·4	290·1	297·3	13th	280·5	274·1	7th	285·3	+0·2	*284·5*	148	+ 80
1366	Hobart	42 53	147 22	53·9	1004·3	1010·8	+ 0·2	289·5	297·4	13th	280·6	274·7	11th	285·1	−0·1	*284·3*	71	+ 14
1370	Invercargill	46 25	168 21	5·5	..	..	..	289·3	293·0	7th, 17th	279·3	272·4	1st	284·3	+0·7	..	132	+ 11
1371	Dunedin	45 52	170 31	91·4	..	1013·1	+ 4·5	288·8	295·8	21st	280·2	276·3	7, 9, 11	284·5	+1·1	..	131	+ 54
1371*a*	Christchurch	43 31	172 38	7·6	..	1013·5	+ 3·3	290·8	297·2	3rd	280·2	273·2	10th	285·5	+0·8	..	50	+ 8
1372	Wellington	41 16	174 46	2·4	..	1017·5	+ 5·9	288·8	291·6	28th	283·7	275·9	14th	286·3	+0·9	..	64	− 41
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

OCTOBER—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	999·6	1006·4	+ 1·7	280·7	281·6	10th, 31st	277·6	275·8	22nd	279·1	+0·6	*279·2*	270	+ 24
1422	Puerto de Punta Arenas	53 10	70 54	4	1004·2	1004·7	+ 1·6	285·7	290·8	30th	276·3	273·0	4th	281·0	+1·4	*281·0*	18	− 12
1423	Punta Dungeness	52 24	68 26	5	1005·2	1005·8	+ 2·3	287·5	292·8	10th	275·9	274·3	9th	281·7	+1·9	*281·7*	18	+ 8
1424	Santa Cruz	50 11	68 21	12	..	1008·8	+ 1·3	290·2	298·3	15th	278·3	271·8	5th	284·3	+1·5	283·9	6	− 2
1424*a*	Año Nuevo	54 39	64 9	50	996·3	1002·4	+ 1·8	281·1	283·1	31st	276·7	273·2	12th	278·9	+1·5	278·8	38	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	29	− 11
1426	Cape Pembroke	51 41	57 42	21	..	1008·2	+ 4·1	282·0	287·4	7th	275·5	272·4	13th	278·7	+0·6	279·1	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	1002·3	1002·8	+ 2·2	278·8	284·5	3rd	271·7	266·0	1st	275·3	0·0	*275·5*	46	− 26

OCTOBER—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys.	S. 60 44	W. 44 39	7	990·7	991·6	0·0	274·4	277·9	31st	268·8	262·3	14th	271·6	+2·3	271·2	11	− 21
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—OCTOBER 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. *Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.	Sierra Leone. 834. Direction and Force.	Entebbe. 844. Direction and Force.	Malden Island. 905. Direction and Force.	Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.	Suva, Fiji. 1072. Direction and Force.
	9h.	m/s	9h. 21h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SE	10·8	SE 4 SE 4	Calm 0 S 2	N 2 W 3	ESE 4	SE 4	E 4 E 3	SE 2
2	SE	9·7	SE 4 SE 4	Calm 0 SE 1	W 3 SW 2	ESE 3	SE 2	E 4 E 3	SE 4
3	SE	8·3	SE 4 SE 4	W 3 Calm 0	Calm 0 W 3	ESE 3	SE 2	E 4 E 5	S 4
4	SE	8·8	SE 5 ESE 4	SE 4 E 2	W 3 W 3	E 2	SE 2	E 4 E 4	S 2
5	SE	6·0	SE 5 SE 4	Calm 0 W 2	Calm 0 N 2	E by N 3	SE 4	E 5 E 3	E 4
6	SE	8·3	SE 4 SE 5	Calm 0 SW 1	E 2 W 3	E 2	SE 2	ENE 3 E 4	SE 2
7	SE	9·3	SE 4 SSE 3	Calm 0 S 1	W 2 SW 2	ESE 3	SE 2	E 4 E 5	SE 3
8	SE	9·4	SE 4 SE 5	W 2 SW 1	W 2 SW 2	ESE 3	Calm 0	E 5 E 5	SE 3
9	SE	11·5	SE 5 E 4	Calm 0 Calm 0	SW 2 SW 2	ESE 4	SE 2	NE 5 NE 4	SE 4
10	SE	8·5	SE 4 SE 4	Calm 0 S 2	W 3 N 2	ESE 3	Calm 0	NE 5 NE 3	E 2
11	SE	6·6	SE 5 SE 4	Calm 0 S 2	E 2 SW 2	ESE 3	SE 6	NNE 4 ENE 3	N 2
12	SE	6·7	SE 4 SE 4	Calm 0 S 1	E 6 SW 2	E by S 2	SE 4	E 5 E 4	Calm 0
13	SE	—	SE 4 SE 4	SW 2 W 1	SW 3 SW 2	E 3	SE 2	E 5 E 4	Calm 0
14	SE	—	SE 4 SE 4	Calm 0 SW 1	Calm 0 SW 3	E by S 4	SE 2	E 5 E 4	Calm 0
15	SE	—	SE 4 SE 5	Calm 0 W 1	W 3 W 2	ESE 4	SE 2	ENE 4 ENE 3	Calm 0
16	SE	—	SE 5 SE 5	Calm 0 S 1	SW 3 W 3	E by N 3	SE 2	NE 5 ENE 4	Calm 0
17	SE	—	SE 5 SE 4	Calm 0 S 1	W 2 W 3	E by S 5	SE 2	ESE 6 ESE 6	Calm 0
18	SE	—	SE 5 SE 4	S 3 S 1	E 2 W 3	ESE 5	SE 4	ESE 6 ESE 5	Calm 0
19	SE	—	SE 5 SE 4	Calm 0 W 1	W 2 Calm 0	ESE 3	SE 6	ESE 5 ENE 5	Calm 0
20	SE	—	SE 5 SE 5	S 3 SW 2	Calm 0 SW 2	ESE 4	SE 4	NE 6 ENE 5	Calm 0
21	SE	—	SE 5 SE 2	SW 3 Calm 0	N 2 W 3	ESE 4	SE 4	ENE 4 E 3	Calm 2
22	SE	—	SE 5 E 4	Calm 0 W 1	N 3 W 3	ESE 4	Calm 0	SE 4 ESE 5	S 4
23	SE	8·7	ESE 4 S 3	Calm 0 SW 1	SW 2 W 3	ESE 3	SE 2	ESE 5 ESE 4	S 3
24	SE	10·5	S 3 SE 4	Calm 0 Calm 0	W 3 N 2	SE 2	SE 4	ENE 6 E 5	E 2
25	SE	8·8	SSE 4 SE 4	Calm 0 SW 2	W 3 W 3	E by S 2	SE 4	ENE 5 E 4	E 3
26	SE	—	SE 4 SE 4	Calm 0 Calm 0	Calm 0 W 2	E by S 2	SE 4	E 3 E 3	SE 3
27	SSE	—	SE 4 ESE 4	W 3 Calm 0	W 2 W 2	ESE 3	Calm 0	SE 3 SE 2	SE 3
28	SE	—	SE 5 SE 4	Calm 0 W 1	W 3 SW 2	ESE 3	SE 4	ENE 2 E 2	SE 3
29	SSE	6·7	SE 4 ESE 4	W 3 W 1	N 2 SW 2	ESE 2	SE 2	ENE 3 E 2	SE 0
30	SE	6·8	SE 4 ESE 4	Calm 0 W 2	E 3 SW 3	E by S 3	Calm 0	NE 4 ENE 4	Calm 1
31	SE	7·3	SE 4 SE 4	Calm 0 W 2	N 2 SW 2	E by S 2	SE 2	E 4 E 5	W 1
Mean ..	..	8·5	4·4 4·0	0·8 1·1	2·2 2·4	3·1	2·6	4·4 3·9	1·9
†Resultant	135° (98)	..	135° (95)	225° (38)	265° (53)	105° (93)	135° (83)	85° (90)	130° (50)
†Normal	145° (92)	8·7	131° (72)	261° (15)	245° (33)	85° (83)	136° (83)	115° (38)	100° (64)

* Mean velocity of the South East Trade Wind at 632 metres.
† Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—OCTOBER 1917.

* *Barents Sea and Spitsbergen.*—The sea was open round Bear Is. and the ice edge lay along the W. coast of Spitsbergen, where firm ice began to form at the beginning of the month, attaining a thickness of 16 cm. by the 15th. Much drift ice was seen off Bell Sound.

* *Greenland Sea, Iceland and Denmark Strait.*—Although there is no direct information it was probable that vast masses of ice remained in the N. of Greenland Sea. The coasts of Iceland were free of ice, as usual in this month. On the 19th the first ice from the N. passed Angmagsalik, and on the 25th ice was general, and it remained until the end of the year. This ice came a little earlier than usual.

North Atlantic and Labrador.—No reports of ice were received.

* *Davis Strait and Baffin Bay.*—The sea round Cape Farewell and along the W. coast of Greenland was free from ice. There were some icebergs off Cape Farewell and they were numerous in Julianehaab Bay, the southernmost being observed in 58° 30′ N. and 41° 50′ W. The winter ice began to form at Upernivik and Umanak.

* *Isforholdene i de Arktiske Have*, 1917, 1918, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, NOVEMBER 1917

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF NOVEMBER 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. — NOVEMBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	1007·5	..	− 3·9	..	264·8	3rd, 4th	..	240·1	29th	..	..	*251·0*	2	..
124	Upernivik	72 47	W56 7	18·9	1004·6	1007·1	− 1·9	260·7	274·3	1st	254·1	246·0	26th, 30th	257·4	−6·1	*257·0*	32	+ 8
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1004·7	1006·2	− 1·0	..	272·4	17th	254·6	241·0	30th	..	−1·0	258·7	34	+ 4
140	Gjesvaer	71 6	25 22	6·5	997·5	998·3	− 6·8	..	277·8	1st	268·5	260·2	22nd	..	−1·3	*270·2*	65	− 6
141	Mehavn	71 1	27 47	6·4	999·0	999·8	− 3·7	..	277·6	1st	267·5	256·7	22nd	..	−1·3	*269·8*	50	− 26
142	Vardö	70 22	31 8	10·0	1000·3	1001·6	− 4·6	..	277·6	1st	268·3	261·1	22nd	..	−0·3	*270·6*	47	− 15
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24 N.	58 47 E.	11·2	1007·4	1008·9	− 1·1	261·4	274·0	8th	256·0	243·4	25th	258·7	..	*259·1*	4	..

Between Latitude 70° N. and 60° N. — NOVEMBER—ZONE 2.

202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1016·2	+ 9·9	260·2	265·2	8th	253·4	245·2	27th	256·8	−7·3	*256·8*	4	− 20
204	Candle	65 55	161 57	2·4	..	..	..	251·9	258·6	1, 15, 30	245·8	238·6	24th, 28th	248·9	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1014·2	+ 4·5	249·3	262·4	1st	242·6	226·9	29th	246·0	−8·3	*246·1*	10	− 5
207	Rampart	65 30	150 15	122	..	..	..	251·9	263·0	14th	243·2	223·6	29th, 30th	247·6	..	..	17	+ 1
208	Valdez	61 7	146 16	8·2	..	1000·3	− 2·9	271·4	274·7	1st	264·4	258·0	4th	267·9	−1·8	*268·1*	116	+ 14
	Eagle	64 46	141 12	254	..	1011·8	+ 0·4	252·7	260·2	16th	245·7	225·2	30th	249·2	−7·6	..	17	+ 5
209	Dawson	64 4	139 20	328	968·1	1011·5	− 0·7	255·8	264·1	20th, 21st	249·7	228·6	30th	252·7	−3·1	..	42	+ 12
210	Carcross	60 11	134 34	662	..	..	..	272·4	278·6	sev. dates	262·1	241·3	30th	267·3	+2·2	..	49	+ 24
211	Fort Good Hope	66 25	128 53	65·2	1009·1	1018·2	..	253·6	262·4	1st	246·3	229·3	30th	249·9	..	..	73	..
212	Fort Simpson	61 52	121 35	129	994·9	1012·0	..	263·6	282·4	15th	255·8	243·6	29th, 30th	259·7	+4·9	..	22	− 1
213	Hay River	60 51	115 20	161	987·5	1008·6	..	..	..	..	263·0	244·1	26th, 30th	..	..	..	20	..
225	Jacobshavn	69 13	51 2	12·6	1002·3	1003·9	− 3·9	..	..	..	258·3	251·7	29th	..	−2·4	*261·9*	55	+ 39
226	Godthaab	64 11	51 43	9·0	999·1	1000·3	− 3·1	269·8	275·8	1st, 2nd	265·0	257·2	28th	267·4	−0·9	*267·6*	4	− 43
227	Ivigtut	61 12	48 10	5·0	1002·2	1002·8	+ 0·5	..	..	..	265·9	259·6	28th	..	−0·7	*269·3*	117	+ 5
229	Angmagsalik	65 37	37 33	31·7	997·1	1001·2	− 2·1	266·9	274·5	2nd	261·0	247·8	29th	263·9	−3·8	*264·3*	38	− 53
231	Stykkisholm	65 5	22 46	11·3	1000·8	1002·2	− 2·6	274·9	282·5	15th	268·7	259·5	29th	271·8	−1·8	*271·7*	45	− 18
232	Vestmanno	63 3	20 15	7·7	999·5	1000·5	− 3·4	277·1	282·1	12th	271·3	260·2	29th	274·2	−1·6	*274·3*	181	+ 49
233	Grimsey	66 33	17 58	22·0	..	..	..	273·5	278·6	3rd	267·5	257·9	29th	270·5	−2·2	*270·8*	0	− 29
233*a*	Akureyri	65 40	18 4	6·8	1000·4	1001·3	− 5·2	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	997·5	999·7	− 5·5	275·6	280·2	12th, 21st	268·8	258·1	30th	272·2	−1·3	*272·6*	60	− 51
235	Thorshavn	62 3	6 45	25·7	1000·0	1003·1	− 2·8	278·9	283·3	12th	274·1	267·5	26th	276·5	−1·1	*276·7*	146	− 20
236	Lerwick	60 9	W 1 8	18·0	1003·0	1005·2	− 1·7	280·8	283·6	19th	276·5	270·2	25th	278·7	−0·2	*279·1*	199	+ 91
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	999·9	1005·4	− 5·6	..	282·5	6th	275·4	270·5	26th	..	+0·6	*277·6*	363	+185
238	Christiansund	63 7	7 45	17·8	998·7	1000·9	− 9·3	..	285·0	5th	275·0	270·1	30th	..	+0·8	*277·6*	173	+ 62
239	Trondhjem	63 26	10 25	39·5	996·4	1001·3	− 8·6	..	284·2	6th	272·4	262·8	26th	..	+1·2	*274·8*	134	+ 26
240	Bodö	67 17	14 24	22·4	994·8	997·6	− 9·5	..	283·0	5th	271·8	261·6	29th	..	+0·5	*274·3*	142	+ 16
241	Haparanda	65 50	24 9	9·2	999·7	1000·9	− 9·1	271·2	279·2	7th	265·2	248·0	29th	268·2	+0·3	*268·3*	90	+ 43
242	Helsingfors	60 10	24 57	11·7	1003·0	1004·5	− 9·5	277·1	281·2	2nd	272·8	264·5	22nd	274·9	+1·5	*274·9*	91	+ 29
242*a*	Kuopio	62 54	27 40	90·3	991·6	1002·9	−10·3	274·4	279·1	2nd	269·4	258·5	30th	271·9	+1·7	*272·0*	73	+ 26
243	Kola	68 53	33 1	6·7	1002·4	1003·3	− 5·3	269·0	280·0	7th	262·3	242·7	27th	265·6	−0·8	*265·7*	39	+ 15
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	5·8	1005·4	1006·2	− 5·0	269·7	279·0	1st	265·3	243·0	22nd	267·5	0·0	*267·3*	38	+ 7
246	Mezen	65 50	44 16	12·6	1004·4	1006·0	− 3·2	265·8	276·6	3rd	260·2	230·4	22nd	263·0	−1·7	*263·4*	33	+ 17
247	Oust-Tsylma	65 25	52 14	? 70	999·0	1008·2	− 4·9	264·2	275·5	2nd	258·9	229·6	22nd	261·6	−1·7	*261·5*	41	..
248	Tcherdyn	60 24	56 31	?177	989·8	1012·3	− 5·1	270·8	275·9	27th	264·7	246·7	20th	267·8	+5·3	*267·9*	96	+ 53
249	Berezov	63 56	65 4	39·9	1009·6	1014·9	− 0·3	263·5	275·0	1st	255·7	232·5	22nd	259·6	+2·3	*260·3*	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1009·9	1015·1	− 3·1	..	276·8	27th	258·8	234·6	21st	..	+4·4	*263·0*	46	+ 25
252	Doudinka	69 23	86 4	20	1010·2	1012·9	− 0·3	..	272·9	8th	245·5	230·2	18th	..	..	*251·3*	7	..
253	Touroukhansk	65 47	87 57	45	1011·9	1018·0	+ 1·3	..	271·2	28th	247·3	219·5	18th	..	+1·2	*253·5*	44	+ 24
261	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
262	Iakoutsk	62 1	129 43	108	1006·4	1021·5	− 1·7	..	263·7	1st	242·3	225·0	25th	..	+2·9	*247·1*	13	+ 3
263	Verkhoiansk	67 33	133 23	100	1001·8	1016·4	− 0·3	..	257·2	10th	230·7	221·7	23rd, 24th	..	−0·1	*236·0*	5	− 2
264	Oust-Maiskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1018·7	1022·3	+ 9·8	253·8	271·4	30th	245·9	236·0	30th	249·8	−3·3	..	7	− 4
272	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

NOVEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	271·1	275·2	12th, 30th	267·2	263·6	27th	269·2	..	..	143	..
302	St. Paul Island	57 15	170 10	6·1	..	1012·2	+ 9·0	273·8	276·3	13, 16, 30	269·3	266·3	22nd, 27th	271·6	−3·1	*271·7*	28	−141
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1009·8	+ 7·9										32	
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	998·3	− 2·0	272·4	277·4	16th	266·3	259·7	15th	269·3	..	*269·8*	25	−104
309	Sitka	57 3	135 19	27·4	..	..	..	280·9	286·3	19th	274·7	265·2	30th	277·8	+1·1	*277·9*	376	+139
310	Prince Rupert	54 18	130 18	51·8	998·8	1005·1	− 2·6	283·6	291·9	1st	278·0	271·9	30th	280·8	+2·7	*280·3*	550	+254
311	Barkerville	53 2	121 35	1274	868·3	..	..	278·6	283·0	19th, 22nd	271·3	261·9	20th	274·9	+6·6	*274·7*	111	+ 28
312	Kamloops	50 42	120 29	385	976·8	1023·7	+ 3·4	281·9	285·8	3, 5, 20	275·2	266·9	26th	278·6	+3·5	*278·6*	2	− 25
313	Calgary	51 2	114 2	1045	895·2	..	..	286·3	292·4	19th	271·9	263·6	30th	279·1	+9·2	*277·9*	0	− 18
314	Fort Chipewyan	58 42	111 10	218	984·9	1012·2	..	275·2	283·0	1st, 3rd	266·3	249·7	30th	270·8	+9·4	*271·0*	58	+ 35
315	Prince Albert	53 10	106 0	442	963·3	1017·3	+ 1·7	280·2	290·8	19th	269·7	258·0	30th	274·9	+9·4	*274·4*	1	− 24
316	Qu'Appelle	50 30	103 47	645	940·9	1018·2	+ 2·6	281·9	289·7	8th	271·3	262·4	30th	276·6	+9·3	*275·3*	7	− 10
317	Minnedosa	50 15	99 50	515	957·2	1019·9	+ 2·7	281·3	289·1	7th	268·6	259·7	1st, 30th	274·9	+7·6	*273·8*	5	− 17
318	Berens River	52 18	97 23	216	..	..	..	274·3	283·0	5th	267·9	255·2	25th	271·1	+4·7	..	5	− 26
318*a*	Port Nelson	57 4	92 36	14·9	1016·4	1018·3	..	268·0	277·4	8th	259·7	237·4	25th	263·8	..	..	9	..
319	Fort Hope	51 33	87 49	‡260	987·1	1020·0	..	273·0	283·0	16th	263·0	241·3	26th	268·0	+2·1	*267·7*	9	− 17
320	Moose Factory	51 14	80 30	9·1	1016·6	1017·8	+ 2·9	270·8	278·6	9th	264·1	249·1	29th	267·4	−0·8	..	0	− 48
321	Fort George	53 50	79 5	97·5	..	..	..	271·9	278·0	4th	264·4	249·7	23rd	268·2	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	268·8	277·4	5th, 6th	262·6	245·2	27th	265·7	..	..	31	..
323	Hebron	58 12	62 21	15·0	1011·4	1013·3	+ 5·0	..	..	..	265·0	254·1	..	..	..	*266·3*	..	..
324	Natashquan	50 8	61 48	?	..	..	..	273·1	280·8	6th	265·3	252·4	28th, 29th	269·2	..	..	44	..
326	Belle Isle	51 53	55 23	133	990·7	1007·5	− 0·6	274·1	279·7	25th	264·7	256·9	20th	269·4	−1·1	*269·9*	11	− 87
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1020·2	1021·9	+ 9·3	284·2	286·3	29th	281·1	276·3	14th, 15th	282·7	+1·1	282·8	73	− 66
335	Aberdeen	57 10	2 6	26·8	1007·0	1010·3	+ 0·7	282·8	287·4	28th	277·2	273·0	26th	280·0	+1·4	279·9	92	+ 17
336	Greenwich	51 28	W 0 0	46·3	1014·3	1020·0	+ 5·6	283·9	287·4	2nd	278·1	271·9	17th	281·0	+1·6	281·2	43	− 15
337	Uccle	50 48	E 4 22	100	1007·1	1019·5	+ 4·6	282·7	285·5	2nd	277·2	271·9	12th	279·9	+1·0	280·2	68	− 2
338	De Bilt	52 6	5 11	3·0	1017·4	1017·8	+ 3·2	282·8	284·9	25th	277·3	271·2	12th	280·1	+2·6	280·3	50	− 10
338*a*	Hamburg	53 33	9 58	26·0	1011·6	1014·8	0·0	281·6	284·5	29th	277·3	271·5	26th	279·5	+2·0	*279·4*	58	+ 3
339	Copenhagen	55 41	12 36	5·0	1010·0	1010·6	− 2·7	280·7	284·1	29th	276·9	271·3	26th	278·8	+1·3	*279·3*	77	+ 29
340	Potsdam	52 23	13 4	84·9	1005·9	1016·5	+ 1·0	281·7	285·4	25th	275·4	270·5	27th	278·5	+1·9	278·3	32	− 7
340*a*	Upsala	59 51	17 38	24·0	1001·7	1004·7	− 8·0	276·9	280·3	1st, 8th	272·3	264·3	26th	274·6	+1·7	274·6	60	+ 18
341	Warsaw	52 13	21 1	133	999·0	1015·4	− 1·7	280·1	284·0	30th	275·5	269·0	27th	277·8	+3·1	277·9	54	+ 16
342	Jurjev	58 23	26 43	74·5	997·6	1006·9	− 6·1	276·3	280·0	2nd, 3rd	272·1	265·0	26th	274·2	+2·0	274·4	44	+ 3
343	Petrograd	59 56	30 16	4·8	1005·2	1005·8	− 8·4	275·5	279·9	2, 3, 12	272·3	263·1	22nd	273·9	+2·3	*273·9*	36	0
344	Kiev	50 27	30 30	183	993·6	1016·2	− 2·8	280·1	285·0	12th	275·4	271·4	4th	277·8	+3·7	*277·7*	37	0
344*a*	Moscow	55 50	37 33	167	991·1	1012·0	− 5·6	276·0	283·5	11th	270·1	258·2	23rd	273·0	+2·7	*273·3*	49	+ 6
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1005·9	1016·0	− 3·4	276·4	282·5	1st	270·4	262·6	24th	273·4	+4·3	*273·4*	47	+ 17
347	Orenburg	51 45	55 6	109	1009·8	1023·7	+ 0·2	277·3	284·4	8th	269·1	260·8	11th	273·2	+4·1	*272·8*	34	0
348	Perm	58 1	56 16	163	995·5	1016·2	− 2·6	273·6	280·4	13th	268·0	254·1	20th	270·8	+4·5	*270·7*	65	+ 13
349	Ekaterinburg	56 49	60 38	281	982·2	1017·4	− 3·2	274·4	282·4	9th	267·7	255·2	20th	271·0	+5·3	*270·9*	20	+ 1
350	Tobolsk	58 12	68 14	?108	1004·6	1018·5	+ 0·3	..	278·0	27th	264·8	249·8	22nd	..	+5·6	*268·6*	8	− 19
351	Akmolinsk	51 12	71 23	?347	984·2	1028·4	+ 0·5	..	274·0	14th	263·8	257·4	13th	..	+1·5	*267·2*	5	− 12
352	Omsk	54 58	73 23	87·9	..	..	..	..	278·6	27th	264·9	255·2	4th	..	+5·0	*268·5*	23	+ 6
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	1008·6	1024·6	+ 0·3	..	271·3	27th	256·0	246·7	16th	..	+4·1	*265·9*	51	+ 6
355	Minousinsk	53 43	91 41	249	996·6	1028·7	− 0·2	..	279·9	20th	261·5	250·0	6th	..	..	*266·5*	2	− 9
356	Eniseisk	58 27	92 10	77·6	1013·4	1023·7	− 0·2	..	275·7	28th	258·7	241·8	18th	..	+2·5	*262·8*	23	− 8
357	Irkutsk	52 16	104 19	467	968·8	1028·6	0·0	..	275·0	15th	258·9	250·0	1st	..	+1·3	*263·6*	14	− 2
358	Kirensk	57 47	108 7	263	991·1	1025·8	+ 0·3	..	275·2	28th, 29th	252·5	229·0	19th	..	+0·9	*259·1*	25	+ 1
359	Tchita	52 2	113 30	687	938·8	1026·0	− 0·4	..	275·4	29th	253·4	245·4	26th	..	+1·7	*260·3*	0	− 5
360	Blagoveshchensk Priisk	58 10	114 19	490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360*a*	Nertchinskii Zavod	51 19	119 37	626	946·2	1027·2	+ 1·8	..	266·9	11th	251·0	245·6	26th	..	−0·9	*256·4*	5	− 2
361	Tygan Ourkan	54 5	124 46	379	974·4	1024·5	..	261·9	269·8	8th	249·2	241·1	24th	255·5	..	*255·4*	6	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	1004·3	1023·2	+ 2·9	264·6	270·4	7th	254·0	248·7	28th	259·3	−2·1	*259·1*	3	− 2
363	Paikanskii Sklad	50 11	130 7	145	1002·7	1022·1	..	264·8	269·5	9th	250·7	243·9	24th, 28th	257·7	..	*257·5*	4	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1013·1	1015·9	+ 4·0	..	273·4	5th	256·1	242·3	16th	..	−2·2	*261·0*	55	+ 23
366	Okhotsk	59 21	143 12	6·0	1012·3	1013·1	+ 0·1	261·5	274·1	1st	255·9	240·9	27th	258·7	+0·2	*258·5*	8	+ 2
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1007·0	1008·7	+ 3·9	275·4	279·4	1st, 5th	269·8	262·9	19th	272·6	..	*272·7*	140	..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	1010·1	+ 5·4	..	280·8	6th	..	270·8	sev. dates	275·5	..	..	328	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

NOVEMBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1010·1	1018·7	+ 3·2	284·1	289·1	9th, 10th	279·1	275·8	25th, 26th	281·6	+2·0	281·4	58	−106
412	Portland, Oregon	45 32	122 41	46·6	1014·6	1020·0	+ 1·4	287·1	291·9	21st	279·6	274·1	19th	283·3	+2·7	*283·3*	108	− 58
413	Macleod	49 44	113 24	953	..	..	..	286·6	293·0	23rd	273·7	263·6	30th	280·1	+8·3	*280·0*	0	− 14
414	Helena	46 34	112 4	1253	878·2	1023·0	+ 3·0	282·9	292·4	22nd	272·7	269·1	27th	277·8	+3·9	*276·9*	8	− 10
414*a*	Salt Lake City	40 46	111 54	1329	873·5	1023·7	+ 3·5	283·6	293·6	3rd	275·8	271·9	23rd	279·7	+2·1	*279·7*	33	− 2
415	Cheyenne	41 8	104 48	1856	817·1	1022·7	+ 3·9	284·4	291·9	4th	271·3	263·6	27th	277·9	+3·4	*278·0*	10	− 1
416	North Platte	41 8	100 45	859	922·0	1023·0	+ 3·9	288·4	299·1	4th	272·6	268·6	1st	280·5	+4·6	*279·3*	18	+ 8
416*a*	Bismarck	46 47	100 38	511	960·7	1022·7	+ 4·0	284·2	293·6	2nd	270·8	264·1	30th	277·5	+6·9	*276·6*	1	− 14
417	Winnipeg	49 53	97 7	232	991·5	1020·6	+ 3·9	277·4	288·0	15th	269·7	260·8	30th	273·6	+6·8	*272·9*	6	− 18
418	Duluth	46 47	92 6	345	979·5	1022·0	+ 4·9	277·9	290·8	10th	270·8	263·0	28th	274·3	+2·0	*274·2*	2	− 30
419	Port Arthur	48 27	89 12	196	996·8	1021·5	+ 5·7	277·4	287·4	10th	269·1	255·2	26th	273·3	+3·4	*272·6*	9	− 28
420	Chicago	41 53	87 37	251	991·9	1022·7	+ 4·8	282·2	293·6	17th	276·0	267·4	24th	279·1	+1·8	*278·9*	14	− 46
421	Toronto	43 40	79 24	116	1006·4	1021·1	+ 4·3	278·6	285·2	9th, 10th	270·2	260·8	25th	274·4	−1·0	273·8	32	− 43
422	New York (Central Park)	40 46	73 58	30·2	1014·7	1018·4	+ 0·7	282·2	290·2	15th	274·4	265·8	27th	278·3	−1·5	278·2	22	− 58
423	St. John, N.B.	45 17	66 4	36·2	1008·4	1013·0	− 0·9	275·8	283·6	6th	269·7	258·6	28th	272·7	−2·9	272·8	86	− 26
424	S.W. Point, Anticosti	49 24	63 33	9·1	1010·5	1011·7	+ 0·5	273·0	278·6	24th	269·1	259·7	28th	271·1	−1·1	*271·2*	61	− 10
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1011·3	1012·2	− 2·2	282·4	289·7	7th	275·8	270·2	20th	279·1	−0·8	*278·9*	148	+ 4
425	Port aux Basques	47 35	59 10	9·1	1008·1	1009·2	− 3·0	277·4	283·0	24th	273·0	266·3	28, 29, 30	275·2	+0·2	*275·1*	95	− 20
426	St. John's, Newfoundland	47 34	52 42	38·1	1003·0	1007·7	− 3·4	279·7	286·9	22nd	274·7	270·8	15, 20, 29	277·2	+1·1	*277·3*	245	+100
435	Madrid	40 24	3 41	655	946·2	1023·8	+ 5·1	290·8	295·3	4th	274·3	270·0	20th	282·5	+0·8	281·5	0	− 50
436	Nantes	47 15	W 1 34	36·5	1020·1	1024·6	+ 8·6	284·8	290·2	2nd	278·9	271·9	17th	281·9	+1·4	281·9	37	− 43
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1016·6	1022·9	+ 6·5	283·8	288·8	2nd	277·9	271·8	13th	280·8	+1·9	280·7	33	− 16
438	Marseilles	43 18	5 23	74·8	1009·3	1018·6	+ 3·8	288·0	291·3	5th	276·4	272·1	17th	282·2	−1·5	281·4	7	− 86
438*a*	Zürich	47 23	8 33	493	963·9	1023·7	+ 4·7	280·7	286·3	3rd	274·9	271·4	27th	277·8	+0·9	277·5	65	− 4
439	Rome	41 54	12 27	45	1010·4	1015·8	− 0·3	287·8	292·9	3rd	279·9	274·6	25th	283·8	−0·9	*283·5*	89	− 27
440	Vienna	48 15	16 22	203	994·6	1019·6	+ 1·4	280·7	286·4	25th	276·4	271·5	27th	278·5	+2·1	278·6	46	+ 5
440*a*	Buda-Pesth	47 31	19 1	130	1002·8	1018·7	+ 1·1	283·5	287·8	29th	276·8	269·9	18th	280·1	+2·7	*279·7*	31	− 20
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1009·3	1019·4	− 0·2	285·9	296·0	12th	276·4	270·7	24th	281·2	+3·1	280·4	21	− 24
443	Odessa (University)	46 29	30 44	65·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
444	Kharkov (University)	50 0	36 14	140	..	..	..	..	..	..	..	..	..	..	..	..	..	..
444*a*	Novorossiisk	44 44	37 49	37·1	1015·1	1019·6	− 0·3	289·7	297·6	12th	282·0	273·7	19th	285·8	+4·2	*285·7*	47	− 22
445	Tiflis	41 43	44 48	404	975·0	1023·4	+ 0·3	289·2	294·0	6th	278·3	271·6	25th	283·8	+2·4	*282·9*	19	− 13
446	Astrakhan	46 21	48 2	−13·8	1025·1	1023·4	− 0·1	283·5	289·0	13th	275·7	270·5	21st	279·6	+3·7	*279·5*	3	− 8
447	Fort Alexandrovsk	44 30	50 16	24	1019·4	1022·3	− 0·9	..	288·6	15th	275·9	270·5	5th	..	+1·9	*280·0*	10	+ 1
448	Krasnovodsk	40 0	52 59	−14·6	1023·9	1022·1	− 0·6	288·5	291·8	15th	280·9	278·3	24th	284·7	+1·3	*284·9*	15	− 1
449	Aralskoe More	46 47	61 42	57·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Tachkent	41 20	69 18	479	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 0	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	?825	926·4	1025·1	− 3·2	280·1	287·1	23rd	271·2	264·5	17th	275·6	..	*275·3*	10	..
461	Mukden	41 48	123 23	43·8	1019·1	1024·7	− 0·1	277·2	287·7	1st	265·5	258·1	27th	271·3	−0·8	270·6	2	− 21
462	Joshin	40 40	129 11	4·0	1019·9	1020·4	− 0·1	280·4	286·4	3rd	270·3	263·0	27th	275·3	−4·1	274·7	44	− 6
463	Yuki	42 20	130 24	65·6	1012·8	1021·3	..	275·6	283·4	2nd	267·9	261·7	27th	271·7	..	271·7	8	..
464	Vladivostok	43 7	131 55	128	1004·4	1020·9	+ 0·2	271·9	278·3	1st	265·4	259·3	28th	268·6	−3·8	268·4	4	− 25
465	Ochiai	47 20	142 44	6·6	1011·3	1012·2	− 1·2	274·2	278·6	2nd	266·5	250·4	29th	270·3	+0·2	271·0	130	+ 51
466	Nemuro	43 20	145 35	26·7	1008·5	1011·8	− 2·9	279·9	286·6	5th	273·4	269·1	15th	276·6	−0·6	276·8	135	+ 55
466*a*	Syana	45 14 N.	147 53 E.	39·3	1005·5	1010·4	− 3·0	278·2	283·2	5th	272·6	265·9	16th	275·4	−0·1	275·8	187	+ 69

NOVEMBER—ZONE 5 (Western Half).

Between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1015·2	1021·0	+ 2·0	291·6	295·2	20th	284·1	281·9	27th	287·8	+1·2	*287·3*	21	− 39
512	San Luis Obispo	35 18	120 39	61·3	1013·6	1021·0	+ 2·6	295·8	304·7	21st	279·7	274·1	27th	287·8	+0·8	*287·2*	12	− 29
513	San Diego	32 43	117 10	26·5	1015·9	1018·9	+ 2·6	293·8	302·4	19th	284·2	280·8	29th	289·0	+0·4	*288·4*	2	− 18
514	Modena	37 48	113 54	1670	838·6	1023·0	+ 4·0	286·1	294·1	2nd	267·7	262·4	19th	276·9	+0·6	*276·0*	4	− 9
515	Santa Fé	35 41	105 57	2138	791·6	1021·7	+ 3·9	285·9	290·2	6th	274·6	269·7	28th	280·3	+3·1	*279·5*	7	− 12
516	Denver	39 45	105 0	1613	842·2	1022·7	+ 4·6	287·4	295·2	3rd	273·6	266·9	28th	280·5	+3·6	*280·5*	1	− 13
517	Abilene	32 23	99 40	530	960·4	1022·3	+ 3·6	294·6	300·2	21st	279·9	272·4	20th	287·2	+1·9	*286·3*	4	− 31
518	Saint Louis	38 38	90 12	173	1001·7	1022·7	+ 3·3	286·0	296·3	7th	277·4	268·6	24th	281·7	+2·2	*281·5*	20	− 49
519	Mobile	30 41	88 2	17·4	1020·4	1022·3	+ 2·5	292·3	297·4	8th	281·0	273·6	24th	286·7	−1·3	*285·9*	36	− 57
520	Nashville	36 10	86 47	166	1003·2	1023·3	+ 2·8	287·3	294·7	6th	276·4	268·0	25th	281·8	−0·4	*281·9*	22	− 67
521	Charleston	32 47	79 56	14·6	1019·2	1021·0	+ 0·8	290·3	296·9	19th	280·6	273·0	25th	285·4	−2·2	*285·3*	8	− 56
522	Washington	38 54	77 3	34·1	1016·2	1020·6	+ 1·1	284·2	294·1	18th	273·8	266·3	27th	279·0	−1·7	*278·5*	13	− 50
523																		
524	Bermuda	32 18	64 46	46·0	1010·4	1015·8	− 1·5	295·2	299·4	3rd	290·3	284·4	28th	292·7	−0·5	*292·6*	78	− 46
530	Santa Cruz (Flores)	39 27	31 9	28	1022·7	1025·8	+ 5·7	292·7	296·6	8th	289·2	286·0	17th	291·0	+1·1	*291·1*	138	− 31
531	Horta	38 32	28 38	65	1018·3	1025·5	+ 6·4	292·7	296·5	5th	288·9	287·5	24th	290·8	+0·6	290·5	89	− 40
532	Ponta Delgada	37 44	25 40	22	1024·1	1025·9	+ 6·8	292·1	294·3	6th	288·6	286·8	23rd	290·3	+0·4	290·2	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	112	− 63
533	Madeira (Funchal)	32 37	16 54	25	1020·4	1023·4	+ 5·1	294·3	298·2	3rd	288·7	286·9	28th	291·5	+0·1	*291·6*	0	−130
534																		
535	Lisbon	38 43	9 9	95	1012·4	1024·0	+ 6·3	291·0	295·6	3rd	283·5	280·3	27th	287·3	−0·4	*286·2*	0	−115
536	Gibraltar	36 6	5 21	16·2	1019·7	1021·9	+ 3·8	291·4	294·7	1st, 4th	283·9	279·7	21st	287·7	−1·1	*287·9*	6	−156
536*a*	Melilla	35 18	2 59	8	‡1021·4	‡1022·4	+ 2·8	293·1	296·6	9th	282·7	278·8	30th	287·9	−4·2	*288·4*	5	− 44
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

NOVEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean. *	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 38	23	1015·9	1018·7	+ 2·3	290·3	293·2	6th	281·8	277·8	20th	286·0	−2·0	..	25	− 30
538	Algiers (Bouzaréah)	36 48	3 2	344	979·1	1020·2	+ 3·1	287·6	293·1	6th	282·3	274·8	27th	285·0	−2·1	284·9	206	+119
539	Tunis	36 48	10 10	33	‡1009·4	‡1013·4	− 2·7	290·5	295·2	30th	282·7	278·8	27th	286·6	−1·7	286·1	108	+ 60
539a	Malta	35 53	14 31	56·4	..	1014·8	− 2·7	291·2	295·3	11th	287·4	284·5	17th	289·3	−0·9	288·5	87	+ 6
540	Riposto	37 41	15 14	14·2	..	1016·8	− 0·2	290·8	293·1	1st	285·1	282·0	17th	287·9	−1·1	287·5	107	− 7
541	Athens	37 58	23 43	107	1004·2	1017·0	+ 0·1	291·2	297·4	13th	285·7	280·9	21st	288·5	+1·3	288·3	91	+ 20
542	Alexandria	31 12	29 53	32·0	1013·9	1017·7	+ 0·3	298·5	304·0	11th, 12th	290·0	282·9	21st	294·3	+1·3	293·9	8	− 26
543	Cairo (Helwan)	29 52	31 20	116	1002·8	1016·4	− 0·5	300·1	306·6	3rd	289·8	282·2	21st	295·0	+2·0	294·1	0	− 3
544	Nicosia (P.W.D.)	35 9	33 22	159	999·4	1018·0	+ 1·6	296·6	301·9	14th	285·0	281·3	20, 26, 29	290·8	+2·4	..	24	− 31
544a	Beirut	33 54	35 28	33·7	..	1018·7	+ 2·4	298·5	304·1	11th	292·0	288·0	23rd	295·3	+3·0	294·8	53	− 82
545	Baghdad	33 21	44 28	38·7	..	1021·1	+ 2·4	298·6	302·6	8th	284·0	279·4	15th	291·3	+1·2	292·3	2	− 18
546	Busrah	30 31	47 53	7·6	1018·7	1019·8	+ 1·0	302·4	305·4	2nd	284·5	279·3	30th	293·4	+1·5	..	0	− 23
546a	Lenkoran	38 46	48 51	−19·3	1024·7	1022·4	+ 0·6	..	292·9	18th	281·9	277·9	26th	..	+1·2	285·2	23	−131
547	Teheran	35 41	51 25	1220	..	..	..	292·1	295·1	24th	280·1	276·4	16th	286·1	+1·6	285·8	2	− 24
548	Meshed	36 16	59 35	946	..	..	..	291·4	297·6	23rd	270·9	266·8	15th	281·2	−1·2	..	6	− 9
549	Seistan	31 0	61 30	?	..	..	..	295·1	300·2	26th	276·1	269·2	17th	285·6	..	..	0	..
550	Quetta	30 11	67 3	1677	837·6	..	0·0	290·5	295·8	24th	269·7	265·6	18, 19, 20	280·1	−2·6	279·8	1	− 7
551	Peshawar	34 2	71 37	339	978·5	1019·4	− 0·2	297·0	301·6	1st	277·7	274·6	21st	287·3	−2·2	286·2	0	− 8
551a	Lahore	31 34	74 20	214	991·3	1017·1	− 0·1	298·2	300·1	3rd, 5th	280·7	277·7	21st	289·4	−2·1	288·3	0	− 1
552	Simla	31 7	77 8	2205	782·9	..	− 0·9	287·1	290·3	10th	281·0	278·2	20th, 28th	284·1	+0·7	283·8	0	− 11
552a	Leh	34 10	77 42	3503	669·4	..	+ 0·1	279·7	281·3	8th	265·0	262·6	21st	272·4	−1·8	271·3	0	− 1
559	Hankow	30 35	114 17	37·0	1022·9	1027·4	+ 1·8	289·0	294·0	24th, 25th	280·0	275·9	11th	284·5	−0·5	284·3	19	− 34
560	Tientsin	39 10	117 10	5·0	1025·4	1026·0	+ 0·1	281·9	288·3	3rd	274·1	269·4	5th	278·0	+0·1	277·8	0	− 13
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1025·1	+ 1·2	288·8	294·6	24th	278·0	271·8	11th	283·4	−1·6	282·5	68	+ 17
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1014·8	1023·3	+ 0·6	281·5	290·8	3rd	274·0	268·3	27th	277·7	−2·0	277·3	46	+ 6
562a	Nagasaki	32 44	129 52	133	1005·4	1021·6	+ 0·8	287·6	293·5	3rd	280·3	276·7	28th	284·0	−2·5	283·3	35	− 54
563	Kioto	35 1	135 44	42·9	1014·3	1019·6	+ 0·6	287·0	293·5	3rd	275·1	271·7	12th	281·0	−1·9	280·4	31	− 46
564	Tokio	35 41	139 45	21·3	1014·0	1016·6	− 1·7	286·9	292·0	5th	277·2	273·0	29th	282·1	−1·7	281·7	82	− 22
565	Kanayama	37 53	140 46	24·6	1013·4	1016·4	− 2·0	284·2	288·8	1st	274·2	269·3	15th	279·2	−1·5	279·1	75	+ 15
566	Miyako	39 38	141 59	30·4	1011·4	1015·1	− 1·6	286·0	289·9	11th	273·8	269·6	15th	279·9	−1·4	278·7	26	− 43
		N.	E.															

NOVEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean. *	Total.	Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1015·8	1017·1	+ 0·4	299·6	301·3	..	294·0	289·1	..	296·8	+0·2	296·8	78	− 21
614	La Paz	24 10	110 20	10	1014·2	1015·4	..	..	304·2	6th	..	287·2	24th	..	..	‡292·7	0	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	824·9	..	+ 2·8	..	296·4	29th	..	275·4	26th	..	−1·8	286·5	1	− 11
616a	Monterry	25 40	100 19	535	960·4	1022·2	..	..	301·6	23rd	..	280·4	20th	..	..	290·6	23	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	292·0	..	..	269·0	..	..	−2·1	283·9	37	+ 19
618	Galveston	29 18	94 50	16·5	1021·5	1023·7	+ 4·4	293·2	297·4	11th	286·8	281·3	20th	290·0	−0·7	289·5	25	− 69
618a	New Orleans	29 58	90 4	16·2	..	1023·0	+ 3·5	292·9	298·6	10th	283·2	276·3	24th	288·0	−1·7	287·2	9	− 77
619	Merida, Yuc	20 58	89 41	22	1017·2	1019·8	..	..	300·8	11th	..	286·8	26th	..	..	‡294·6	42	..
620	Havana	23 8	82 21	24·3	..	1018·7	+ 2·7	297·6	300·5	1st	292·6	289·7	11th	295·1	−1·4	295·1	64	− 16
620a	Key West	24 33	81 48	6·7	1018·2	1018·9	+ 2·0	296·8	299·1	13th	291·7	286·3	25th	294·3	−2·7	293·8	7	− 50
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·2	+ 1·3	297·6	301·3	1st	293·3	290·2	25th	295·4	−1·8	295·3	53	− 19
622	Watling Island	24 6	74 26	33·5	1012·4	1016·3	+ 1·2	..	303·0	2nd	..	293·6	25th	..	..	297·4	..	..
633	Izaña	28 19	16 30	2367	769·6	..	..	281·9	287·9	3rd	274·8	271·7	7th, 26th	278·4	..	277·9	118	..
634	La Laguna	28 28	16 20	547	956·3	1019·8	+ 0·9	292·5	300·1	4th	284·9	276·8	24th	288·7	0·0	288·1	19	− 69
637	Insalah	27 8	W 2 27	?280	..	..	..	297·6	307·1	8th	278·4	270·8	30th	288·0	−5·1	289·4	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1001·6	1013·1	− 1·2	307·9	312·5	3rd	292·3	287·8	29th	300·1	+3·8	298·9	..	..
644	Tor	28 14	33 37	1·9	1014·4	1014·6	− 0·4	299·9	305·1	3rd	288·4	282·0	23rd	294·1	+0·9	293·7	..	..
647	Bushire	28 59	50 53	4·3	1016·8	1017·5	− 0·4	299·0	301·0	3rd	289·7	283·2	30th	294·3	+0·2	294·0	0	− 40
648	Jask	25 44	57 47	4·0	1016·8	1017·4	+ 0·7	301·9	305·2	3rd	291·4	289·7	20th	296·7	−0·8	296·4	0	− 8
649	Robat	29 45	60 55	?	914·0	..	..	297·9	303·1	26th	278·6	274·4	15th, 16th	288·2	..	..	7	..
649a	Karachi	24 53	66 57	4·0	1016·2	1016·7	+ 0·7	301·5	305·4	7th	290·3	286·9	19th	295·9	−1·3	295·6	0	− 1
650	Hyderabad, Sind	25 24	68 18	29·3	1012·9	1016·3	+ 0·6	302·3	305·3	6th	286·6	282·5	16th	294·4	−1·9	294·1	0	− 2
650a	Jacobabad	28 17	68 29	56·7	1010·3	1017·0	+ 0·6	302·1	306·2	1st, 2nd	282·3	278·4	21st	292·2	−1·8	291·5	0	− 2
651	Jaipur	26 56	75 52	436	967·2	1017·8	− 0·1	300·6	302·1	3rd	282·8	279·1	22nd	291·7	−2·7	290·8	0	− 4
652	Nagpur	21 8	79 5	310	979·6	1015·2	− 0·9	302·1	304·2	19th, 20th	287·7	282·3	23rd	294·9	−0·6	294·6	0	− 17
653	Allahabad	25 25	81 51	94·1	1004·8	1016·0	− 0·3	299·4	301·1	5th	284·4	280·4	19th	291·9	−1·8	291·0	0	− 8
653a	Darjiling	27 3	88 18	2266	778·3	..	− 0·6	287·4	289·8	15th	279·5	276·7	29th	283·4	+1·1	283·1	2	− 5
654	Calcutta	22 36	88 23	6·4	1013·2	1013·9	− 1·2	300·8	303·4	13th	292·1	287·4	20th	296·4	+0·7	296·1	10	− 4
655	Gauhati	26 8	91 41	59·7	1008·8	1015·8	− 0·7	300·7	302·3	15th	289·8	286·1	30th	295·3	+0·5	294·6	32	+ 24
655m	Cherrapunji	25 15	91 42	1314	870·7	..	+ 0·6	293·7	296·5	11th	285·3	281·8	18th	289·5	+0·5	288·8	332	+266
655a	Akyab	20 11	92 56	6·1	1011·4	1012·0	− 1·6	302·1	305·5	11th	295·2	290·5	30th	298·6	+0·1	298·2	361	+260
656	Mandalay	21 59	96 0	76·2	1005·4	1014·1	?−0·5	304·4	307·9	11th	295·2	290·0	30th	299·8	+1·5	299·2	44	+ 1
656a	Tengyueh	24 59	98 35	1633	835·7	..	..	294·0	296·3	9th, 10th	281·1	275·8	26th	287·5	..	286·5	12	..
657	Phu Lien	20 48	106 37	116	1004·5	1018·2	+ 0·9	297·8	303·0	1st, 2nd	290·7	286·0	22nd	294·3	−0·4	293·7	26	− 38
658	Moncay	21 31	107 51	9	1017·3	1018·4	+ 0·6	298·1	305·0	2nd	289·0	280·6	21st	293·5	−0·5	292·7	0	− 56
659	Hong Kong	22 18	114 10	33·2	..	1018·1	+ 0·5	295·6	301·3	2nd	291·2	286·9	21st	293·4	−0·6	293·1	2	− 41
660	Amoy	24 27	118 4	ca.3	1020·4	1020·8	+ 1·3	295·8	300·8	1st	289·5	285·8	12th	292·7	−1·1	292·3	0	− 33
661	Taihoku, Formosa	25 2	121 31	9·3	1019·0	1020·1	+ 1·5	295·6	303·4	2nd	288·9	282·1	20th	292·3	−0·9	291·8	15	− 63
661a	Santo Domingo	20 28	121 59	18·7	..	1011·6	− 1·1	299·3	304·4	4th	295·2	291·6	21st	297·3	−0·5	297·1	537	+181
662	Naha	26 13	127 41	10·5	1017·4	1018·6	+ 1·1	296·9	301·4	1st	289·2	285·0	24th	293·0	−1·1	292·8	32	−112
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1015·3	1015·8	− 0·3	298·6	302·9	11th	291·5	285·5	30th	295·1	−1·6	294·2	270	+113
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

NOVEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean. *	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 14	103 47	507	958·7	1015·7	..	..	306·8	9th	..	286·6	25th	..	..	298·4	3	..
716	Morelia	19 42	101 12	1939	811·7	..	..	..	296·1	29th	..	273·3	23rd	..	..	285·5	28	..
717	Mexico, Tacubaya	19 24	99 12	2309	777·6	1016·6	+ 1·9	291·8	294·6	29th	277·0	271·8	25th	284·4	−3·0	283·4	21	+ 6
718	Oaxaca	17 3	96 45	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718a	Salina Cruz	16 12	95 12	56·3	1009·0	1015·5	..	301·1	304·1	30th	294·8	290·7	22nd	298·0	..	297·6	0	..
719	San Salvador	13 42	89 12	‡665	941·1	1016·2	+ 5·4	304·3	312·0	30th	288·7	284·2	18th	296·5	−1·0	294·4	15	− 36
720	Belize	17 29	88 12	5·2	1017·9	1018·6	+ 5·8	299·3	304·4	5th	291·7	288·0	23rd	295·5	−2·9	295·0	111	−191
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·0	+ 0·7	301·7	303·7	1st	295·4	293·2	4th	298·6	−0·3	297·6	79	− 3
722	Port au Prince	18 34	72 22	37·4	1008·7	1013·0	+ 0·2	303·0	304·5	14th	294·8	292·6	24th	298·9	−0·6	298·2	52	− 26
723	Caracas	10 30	66 55	‡1010	899·6	..	+ 0·3	297·5	301·6	11th	286·4	283·7	23rd	291·9	−1·6	291·1	29	− 55
724	Montserrat	16 41	62 9	39·6	1008·1	1012·7	− 0·6	303·4	305·8	11th	294·7	292·4	3rd, 20th	299·1	..	298·5	121	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	993·1	1011·0	+ 0·2	302·2	304·1	9th, 20th	296·2	294·1	1, 3, 4	299·2	−0·1	298·6	166	− 42
725	Barbados	13 8	59 36	55·2	..	1011·9	− 0·3	302·3	303·2	9th	294·7	293·3	22nd	298·5	−0·4	298·5	61	− 94
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·0	1013·2	− 0·5	299·2	301·0	4, 19, 20	294·1	293·0	11th, 12th	296·7	−0·8	297·4	43	+ 35
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1008·9	1013·5	− 0·5	300·7	303·6	3rd	296·0	293·0	30th	298·4	+0·1	298·5	9	− 3
733	Bathurst	13 24	16 36	1·5	..	1013·3	+ 1·3	303·1	305·2	3, 5, 25	..	..	..	..	−0·4	299·5	0	− 7
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	309·8	310·8	sev. dates	289·0	287·4	17th, 18th	299·4	−1·1	..	5	0
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	305·0	310·6	8th, 9th	288·9	280·4	28th	296·9	−2·9	296·4	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	310·4	313·6	9th	293·4	288·6	22nd	301·9	+2·0	301·4	0	0
738	Kaduna Capital	10 32	7 25	637	943·5	1014·6	+ 1·0	304·9	306·9	29th	289·8	285·8	20th	297·3	0·0	296·8	2	+ 1
739	Katagum	12 17	10 22	30·7	..	..	..	309·1	313·0	8, 9, 15	288·8	284·1	22nd	298·9	+0·8	298·4	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	310·8	314·1	8, 9, 11	291·4	285·8	22nd	301·1	+1·5	300·6	0	0
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	0	..
743	El Obeid	13 11	30 14	569	946·2	1009·7	− 0·6	304·6	306·1	23rd	289·4	285·9	29th	297·0	+0·5	298·0	0	0
743a	Khartoum	15 37	32 33	390	965·5	1009·2	− 0·5	309·6	311·9	4th	293·8	291·7	28th	301·7	+0·7	301·5	0	0
744	Port Sudan	19 37	37 13	5·9	1012·9	1013·5	+ 0·9	304·6	306·0	sev. dates	296·6	294·5	22nd, 29th	300·6	+0·4	300·3	0	− 42
745	Berbera, Somaliland	10 22	45 2	9·2	1016·3	1017·5	+ 3·3	305·0	306·3	1, 2, 7	292·7	290·2	7th, 22nd	298·9	+0·5	299·7	0	− 5
746	Aden	12 45	45 3	28·7	1012·9	1016·2	+ 1·0	301·5	304·3	1st	295·2	293·8	13, 28, 30	298·3	−1·3	297·7	0	− 3
751	Bombay	18 54	72 49	11·3	1011·8	1013·0	− 1·0	302·6	303·7	30th	295·2	293·8	12th	298·9	−0·8	298·5	0	− 10
751a	Cochin	10 58	76 21	2·7	1011·2	1011·5	− 0·9	303·3	304·7	7th	296·3	294·7	1st	299·8	−0·4	299·4	295	+135
752	Kodaikanal	10 14	77 28	2343	770·8	..	− 0·9	289·2	292·2	4th, 5th	282·6	279·5	30th	285·9	+0·2	285·9	260	+ 95
752a	Bangalore	12 59	77 38	920	911·1	1011·8	− 1·2	299·8	301·9	4th, 5th	290·4	287·3	30th	295·1	+0·7	294·6	39	− 33
753	Madras	13 4	80 14	6·7	1010·6	1011·5	− 1·8	302·5	305·3	1st	296·4	294·2	30th	299·4	+0·5	299·0	153	−171
754	Waltair	17 45	83 16	68·9	1005·1	1012·9	− 1·5	301·1	303·6	19th	295·2	292·4	24th	298·2	−0·6	297·8	111	+ 30
755	Port Blair	11 40	92 40	17·7	1008·9	1010·9	− 1·1	303·0	304·0	6th	297·5	296·3	25th	300·3	−0·4	299·9	108	−144
756	Rangoon	16 46	95 48	5·5	1011·8	1012·5	− 1·0	304·7	306·0	11th	296·2	293·7	22nd	300·4	+0·7	299·5	13	− 47
757	Saigon	10 47	106 42	11·2	1007·7	1009·0	− 1·3	302·3	305·6	3rd	295·1	291·5	21st	298·7	−0·8	298·2	286	+163
758	Nhatrang	12 15	109 12	3·6	1009·8	1010·2	− 1·7	300·0	303·4	2nd	295·2	291·6	21st	297·6	−1·1	297·2	1061	+683
759	Bolinao	16 24	119 53	9·7	..	1007·4	− 1·7	305·2	307·4	2nd	296·4	294·8	13th	300·8	+0·1	300·1	11	− 35
761	Vigan	17 34	120 23	12·2	..	1008·8	− 1·4	305·2	308·0	7th	296·2	293·8	14th	300·7	+0·5	300·3	7	− 30
761a	Manila	14 35	120 59	14·2	..	1009·2	− 0·8	303·1	305·9	10th	295·3	293·8	13th	299·2	−0·5	298·4	229	+ 99
762	Ormoc	11 0	124 36	5·6	..	1008·0	− 0·7	303·1	306·0	21st	295·5	293·6	10th	299·3	0·0	298·7	147	− 55
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1008·6	+ 0·6	302·4	304·6	25th	297·6	295·8	28th	300·0	−0·1	299·9	128	− 56
		N.	E.															

NOVEMBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean. *	Total.	Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	304·5	306·2	19th	297·0	295·9	24th	300·8	−0·4	299·5	37	− 36
821	Colon	9 23	79 23	11·0	..	1011·6	+ 1·1	300·3	302·4	9th	296·3	295·2	25th	298·3	−1·0	297·9	520	− 22
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	155	+ 19
822a	Merida, Venez	8 36	71 9	1641	‡841·4	..	..	295·5	297·7	15th	287·6	285·4	6th	291·6	..	290·8	241	..
824	El Peru, Guayanavieja	7 30	62 0	220	983·9	1008·9	− 0·2	302·1	303·4	1st	294·7	292·3	26th	298·4	0·0	297·9	43	− 47
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1011·9	+ 0·6	302·4	303·6	14th, 15th	296·8	295·2	4, 26, 27	299·6	−0·3	299·5	298	+152
826	Paramaribo	5 49	55 9	3·7	..	..	..	303·6	305·7	6th	‡293·9	‡291·9	27th	‡298·7	−0·1	298·5	148	+ 7
826a	Cayenne	4 56	52 21	6	..	..	..	306·1	307·8	1, 5, 7	295·4	293·6	27th	300·7	+0·1	300·5	101	− 16
833	Conakry	9 31	13 43	16	1009·2	1011·0	− 0·2	302·6	304·2	4th	297·1	293·8	16th	299·8	−0·4	299·4	145	+ 29
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·3	1012·3	+ 1·2	303·8	305·8	22nd	295·8	294·1	1, 15, 26	299·8	−0·5	298·7	123	− 12
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	111	+ 51
836	Accra	5 33	W 0 12	25·7	..	..	..	303·5	..	..	297·9	..	..	300·7	+0·9	300·3	38	0
837	Lagos	6 27	E 3 24	1·8	1010·2	1010·4	− 1·9	304·2	308·0	..	296·8	294·1	..	300·5	+0·1	300·0	67	+ 1
838	Zungeru	9 48	6 10	130	..	..	..	307·1	308·6	6th, 29th	293·5	289·1	25th	300·3	+0·8	299·8	17	+ 13
838a	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
839	Yola	9 12	12 30	259	..	..	..	308·7	310·8	8th	294·4	291·3	26th, 27th	301·6	+0·7	301·1	15	+ 13
841	Wau	7 42	28 3	440	958·0	1007·2	− 1·7	309·0	311·0	16th	292·3	290·0	25th, 28th	300·7	+0·7	299·4	0	− 17
843	Mongalla	5 11	31 47	439	958·7	1007·7	− 0·6	309·2	310·0	sev. dates	292·1	290·7	12th, 25th	300·7	+0·6	299·7	0	− 46
843a	Malakal (Kodok)	9 35	31 37	394	964·4	1008·7	− 0·2	309·1	310·9	6th	292·1	289·1	30th	300·6	..	299·1	13	+ 5
844	Entebbe	0 5	32 29	1171	883·6	..	+ 0·1	300·8	303·0	20, 23, 24	290·6	288·1	9th	295·7	+1·0	294·6	69	− 56
845	Harrar	9 42	42 30	1856	..	..	..	295·0	297·0	6th, 30th	283·4	281·0	16th	289·2	−3·3	..	0	− 15
851	Minicoy	8 17	72 49	2·1	1012·3	1012·5	+ 0·3	..	..	..	..	..	..	..	..	..	112	− 22
852	Colombo Observatory	6 54	79 53	7·3	1009·1	1009·9	0·0	302·3	304·1	7th	296·1	293·9	2nd, 4th	299·2	−0·6	298·8	280	− 27
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	293·1	295·3	18th	283·1	277·5	2nd	288·1	+0·1	287·5	269	+ 43
854	Trincomalee	8 34	81 14	30·2	1005·7	1009·1	− 0·5	303·0	306·1	16th, 18th	296·4	294·8	1st, 7th	299·7	0·0	299·3	418	+ 63
855	Kota Radja	5 32	95 20	7·1	..	1009·7	− 0·3	..	..	..	..	..	..	..	..	..	124	− 68
856	Medan	3 35	98 41	25·0	..	1009·6	− 0·6	301·9	304·1	11th	293·2	292·1	1st	297·5	..	296·7	303	+ 60
857	Penang	5 34	100 20	5·0	1007·8	1008·4	− 1·8	303·3	305·8	21st	295·1	291·3	8th	299·2	−0·7	298·7	370	+ 70
858	Singapore	1 17	103 51	3	1008·4	1008·7	− 1·2	304·3	305·8	16th	296·2	294·9	22nd, 23rd	300·3	+0·2	299·8	183	− 69
859	Sandakan	5 50	118 7	31·7	..	..	..	304·2	305·2	sev. dates	296·2	294·7	28th	300·2	0·0	299·7	233	−140
860	Iwahig	9 44	118 38	4·3	..	1005·9	− 1·9	302·8	305·5	1st	295·2	293·4	30th	299·0	..	298·5	1036	..
861	Tagbilaran	9 38	123 51	21·3	..	1007·5	− 0·9	304·1	306·2	12th	295·9	295·3	26th	300·0	−0·5	299·0	252	+ 88
861a	Menado	1 30	124 50	8·5	..	1008·5	0·0	303·1	304·7	19th	295·9	294·0	11th	299·5	..	298·9	304	+ 79
862	Surigao	9 48	125 29	6	..	1007·8	− 0·8	302·0	304·3	10th	296·2	294·5	1st	299·1	−0·6	298·7	340	− 50
863	Yap	9 29	138 8	31·9	..	1007·1	+ 0·2	305·8	307·2	9, 26, 30	297·2	296·0	19th, 30th	301·5	+0·3	300·4	298	+ 75
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

NOVEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1011·4	1012·3	+ 1·8	303·7	304·7	4, 13, 16	295·5	292·4	21st	299·6	−1·3	*298·9*	5	− 14
924	Manaos	3 8	60 1	43·8	..	..	..	305·7	310·0	4th	296·6	294·0	26th	301·1	−1·1	*299·9*	140	+ 13
926	Taperinha	2 30	54 42	20·0	1007·4	1009·7	..	305·3	307·5	6th	295·3	293·6	23rd	300·3	..	*299·0*	93	..
927	Turyassu	1 43	45 27	15·1	1008·2	1009·9	− 0·2	306·8	309·2	8th	295·6	293·6	10th	301·2	+0·1	*300·1*	35	+113
928	Barra do Corda	5 31	45 16	81·0	999·9	1009·2	0·0	305·3	308·5	12th	294·3	292·2	16th	299·8	−1·3	*298·5*	197	+ 24
929	Quixeramobim	5 16	39 15	207	987·0	1010·4	− 0·3	307·0	308·4	6th	298·1	297·2	19th	302·5	+0·1	*301·5*	27	− 3
930	Fernando Noronha	3 50	W32 55	106	999·6	1011·8	− 0·7	301·3	302·5	25th	297·3	296·3	27th	299·3	..	*298·4*	4	− 29
939	Loanda	8 49	E 13 13	59·3	..	1011·5	+ 0·5	298·5	300·4	24th	294·7	293·5	4th, 26th	296·6	−1·5	296·3	0	−141
940	Brazzaville	4 17	15 16	290	977·7	1010·6	− 1·1	303·4	307·0	24th	293·5	291·5	7th, 14th	298·5	−0·1	*297·8*	80	− 12
943	Masaka	0 21	31 47	?1280	..	..	..	298·7	300·2	13, 14, 28	288·4	286·3	4th	293·5	−0·2	*292·4*	85	−115
944	Nairobi	1 14	36 44	1800	..	..	..	295·8	298·0	22nd	283·6	279·1	29th	289·7	−1·0	*289·0*	43	− 47
944*a*	Zanzibar	6 10	39 11	21·9	1012·2	1014·7	0·0	302·1	304·2	7th	298·1	296·2	8th	300·1	+0·1	*299·6*	172	− 43
945	Lamu	2 16	40 50	3·1	..	..	..	305·8	306·9	3rd	297·4	296·9	1st	301·6	+1·3	*301·1*	0	− 75
947	Seychelles, Port Office	4 37	55 27	4·6	1012·0	1012·6	+ 0·6	300·4	301·6	2nd	297·7	296·3	13th, 20th	299·1	−0·3	*298·5*	176	− 75
957	Padang	0 56	100 22	6·7	..	1010·9	− 0·1	303·5	305·0	11th	296·0	293·9	3rd	299·7	..	299·2	254	−271
958	Batavia	6 11	106 50	8·0	1008·4	1009·3	− 0·6	303·4	305·8	18th	296·3	295·2	17th	299·9	0·0	299·3	78	− 61
958*a*	Pontianak	0 1	109 20	2·6	..	1009·6	− 0·9	303·2	305·2	10th	296·0	294·4	22nd	299·6	..	298·7	330	− 65
959	Passercean	7 38	112 55	5·0	..	1008·9	− 0·6	303·9	306·1	11th	296·5	294·9	14th	300·2	−0·5	299·9	124	+ 62
960	Kajoemas	7 56	114 9	1060	..	..	..	296·8	300·3	11th	291·2	290·4	30th	294·0	..	293·1	627	+436
962	Ambon	3 42	128 10	4·2	..	1008·5	− 0·1	304·1	306·1	21st	296·9	295·4	14th	300·5	+0·7	299·8	200	+ 84
963	Manokwari	0 52	134 20	19·0	..	1007·4	− 0·9	302·6	304·3	29th	296·3	294·6	10th	299·5	..	298·9	124	− 33
965	Daru	9 4	143 13	7·6	..	1008·7	− 1·4	303·3	..	..	..	..	..	..	−0·3	‡*300·8*	192	+ 95
966	Port Moresby	9 29	147 9	39·0	..	1007·7	− 2·3	301·8	..	..	297·2	..	..	299·5	−1·1	*299·1*	211	+101
967																		
968	Rendova	8 30	157 12	1·8	1008·7	1008·9	+ 0·5	..	..	..	..	..	..	..	..	..	504	+178
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·1	1009·3	+ 0·9	304·3	307·4	26th	297·2	296·2	3rd	300·8	+0·1	*300·6*	303	+ 86
970	Ocean Island	0 52 S.	169 35 E.	25·6	1004·7	1007·0	− 1·1	304·3	304·7	sev. dates	297·1	295·2	11th, 12th	300·7	−0·4	*299·9*	9	−137

NOVEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1010·6	+ 1·6	301·8	303·2	6th	296·0	293·4	12th	298·9	−0·2	298·5	233	− 44
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·8	304·7	2nd	294·3	290·2	6th	298·0	..	*297·8*	122	+ 15
1007	Makatea	15 47	148 14	47	1007·7	1013·1	..	305·7	307·8	17th	296·1	294·8	19th	300·9	+1·2	*300·3*	55	−120
1021	Arequipa	16 22	71 33	2451	761·3	..	+ 0·5	292·4	295·4	14th	281·4	278·4	1st	286·9	−0·5	*286·6*	2	+ 1
1022	Puerto de Arica	18 28	70 20	5	..	..	..	293·8	294·4	29th, 30th	287·7	287·2	sev. dates	290·7	+0·4	*292·3*	0	0
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	730·3	..	..	..	296·0	11th	..	278·0	16th	..	..	*286·9*	130	+ 69
1025	Corumba	19 0	57 39	116	995·9	1009·2	..	305·9	311·8	14th	293·1	285·0	11th	299·5	..	..	121	− 30
1026	Cuyaba	15 36	56 6	165	989·8	1008·5	0·0	303·7	307·3	13th, 14th	297·1	290·7	16th	300·4	−0·2	*300·5*	151	− 5
1027	Bello Horizonte	19 55	43 55	857	916·6	1012·0	0·0	299·0	304·4	14th	289·1	285·4	22nd	294·1	−0·3	*294·1*	163	− 50
1028	Caetite	14 2	42 39	900	913·7	1013·5	+ 0·4	298·8	303·9	8th	291·0	287·8	19th	294·9	−0·8	*295·3*	189	+ 59
1029	Ondina (Bahia)	13 0	38 30	46·6	1005·9	1011·3	− 0·8	301·4	303·8	9th	295·2	293·5	20th	298·3	−0·2	*297·9*	198	+ 57
1030	Aracaju	10 55	37 3	4·0	1011·8	1012·2	− 1·0	302·0	303·3	29th	295·4	294·8	19th	298·7	+0·5	*299·7*	69	+ 46
1035	St. Helena	15 57	W 5 40	632	945·2	1017·4	− 0·5	291·5	294·1	26th	284·9	284·1	10th	288·2	−0·4	*288·0*	51	+ 7
1042	Gwelo	19 27	E 29 49	1417	859·5	..	− 1·7	301·9	309·7	1st, 2nd	288·0	285·2	24th	294·9	0·0	..	108	+ 10
1043	Salisbury, Rhodesia	17 48	31 5	1457	855·2	..	− 1·6	302·7	308·0	1st	286·8	284·6	24th	294·7	+0·3	..	128	+ 30
1044	Zomba	15 23	35 18	‡945	905·7	1009·2	− 1·3	303·6	308·0	4, 11, 13	291·8	288·0	15th	297·7	+0·7	*297·7*	216	+ 70
1045	Tananarivo	18 55	47 32	1400	865·4	..	+ 0·5	299·6	303·1	20th, 22nd	286·5	283·4	9th, 10th	293·1	−0·3	*292·2*	171	+ 57
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1009·4	1009·9	− 2·4	301·8	304·7	15th	297·3	295·2	1st	299·6	−0·3	*299·2*	190	+ 70
1056																		
1057	Christmas Island	10 25	105 43	5·5	1006·5	1007·1	− 2·1	302·6	304·7	..	296·7	295·2	..	299·7	−0·5	*299·2*	312	+ 60
1058																		
1061	Koepang	10 10	123 34	45·1	..	1008·6	− 0·7	305·3	307·1	3rd	296·5	295·5	9th	300·9	..	300·5	97	+ 4
1061*a*	Derby	17 18	123 40	16·2	1006·4	1008·3	− 1·0	308·1	313·0	26th	298·7	293·0	1st	303·4	−0·3	..	40	+ 10
1062	Hall's Creek	18 13	127 49	374	966·7	1007·4	− 1·4	310·0	313·6	7th	295·2	287·9	3rd	302·6	−0·8	*301·9*	56	− 50
1063	Port Darwin	12 28	130 51	29·6	1004·2	1007·5	− 1·0	306·9	308·6	22nd	298·5	295·2	1st	302·7	−0·1	*301·5*	68	+ 34
1064	Daly Waters	16 16	133 23	211	982·3	1005·4	− 2·5	310·4	314·1	24th	296·3	291·9	3rd	303·4	−0·8	*302·7*	90	+107
1065	Mein	13 13	142 47	122	993·4	1007·0	− 1·3	306·6	309·1	9th, 22nd	295·4	293·3	10th	301·0	−0·3	*300·3*	174	+ 0
1066	Georgetown, Queensland	18 22	143 32	302	976·3	1008·9	− 1·2	307·1	310·3	12th	294·3	290·1	10th	300·7	−1·0	..	54	
1067	Samarai	10 37	150 40	15·2	..	1009·0	− 0·8	303·0	..	..	297·4	..	..	300·2	+0·8	*300·0*	250	+ 73
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	1010·1	1012·0	− 0·4	300·4	302·6	3rd	294·4	291·7	27th	297·4	−0·7	*297·2*	418	+176
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

NOVEMBER—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	300·3	303·6	27th	294·1	288·0	2nd	297·2	+0·5	*297·0*	283	+130
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·0	1017·2	+ 1·4	290·2	293·2	8th	284·9	284·0	sev. dates	287·5	−0·1	*287·3*	0	− 2
1122	Iquique	20 12	70 11	9	1015·1	1016·2	+ 0·7	295·5	297·4	17th	286·3	284·2	14th	290·9	−0·5	*291·1*	0	0
1123	Catamarca	28 27	65 47	529	..	1009·9	+ 2·6	305·4	312·0	6th	290·5	279·2	15th	297·9	−0·7	297·4	43	+ 8
1124	Salta	24 46	65 28	1178	882·3	1010·2	+ 1·3	299·2	304·7	1st	285·8	280·6	16th	292·5	−0·9	293·4	89	+ 29
1125	Goya	29 9	59 15	26	..	1013·6	+ 2·7	305·6	310·8	29th	288·3	281·0	16th	296·9	+2·4	297·8	20	− 88
1126	Asuncion	25 21	57 37	95	‡1002·4	‡1013·4	+ 1·3	304·2	310·5	30th	288·9	281·0	16th	296·5	−1·5	296·2	65	− 89
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1006·0	1013·2	+ 0·6	296·8	305·0	..	291·8	289·1	..	294·3	−1·9	294·2	67	− 38
1139	Windhoek	22 34	E 17 6	1665	..	..	..	300·0	305·5	15th	288·2	283·9	5th	294·1	−1·2	*294·3*	2	− 19
1140																		
1141	Kimberley	28 42	24 47	1202	879·5	..	− 1·2	301·6	307·8	25th	285·7	281·3	17th	293·7	−0·7	293·6	57	+ 17
1142	Johannesburg	26 11	28 4	1806	821·7	..	− 1·5	294·6	302·1	1st	283·7	276·9	20th	289·1	−1·3	*288·7*	451	+343
1142*a*	Pretoria	25 45	28 12	1338	868·3	..	− 0·7	298·3	305·9	2nd	286·6	278·4	20th	292·4	−1·3	*292·0*	354	+220
1143	Durban	29 52	31 3	15·2	1014·5	1016·3	− 0·6	296·0	300·5	29th	290·1	287·1	18th	293·5	−0·9	*293·0*	288	+160
1144	Lorenzo Marques	25 58	32 36	59	..	1013·4	− 1·5	300·0	307·6	16th	292·8	289·4	22nd	296·4	−0·5	295·9	106	+ 25
1147	Mauritius	20 6	57 33	55·2	1010·7	1017·2	+ 1·1	298·9	299·8	17th	292·2	289·2	1st	295·5	−1·6	295·3	75	+ 35
1159	Onslow	21 43	114 57	4·3	1007·0	1007·9	− 2·1	306·5	312·6	9th	293·3	290·1	18th	299·9	+0·5	..	0	− 1
1160	Peak Hill	25 38	118 47	588	942·0	1005·8	− 2·7	306·4	311·4	7th	292·5	283·6	16th	299·4	−0·3	..	36	+ 26
1161	Nullagine	21 53	120 5	386	964·1	1005·7	− 2·5	311·4	315·1	8th	294·1	282·4	1st	302·8	−0·1	..	3	− 10
1162	Laverton	28 40	122 23	466	959·3	1011·0	− 0·9	303·9	312·7	27th	288·5	283·0	16th	296·2	−1·2	*296·0*	3	− 18
1163	Alice Springs	23 38	133 37	587	944·2	1008·4	− 0·9	304·7	312·4	29th	289·4	280·8	14th	297·1	−2·1	*296·9*	34	+ 9
1164	William Creek	28 55	136 21	76·2	1002·6	1011·3	− 1·1	302·6	313·0	29th	288·9	283·0	7th	295·8	−2·1	*295·3*	5	− 6
1164*a*	Boulia	22 55	139 38	146	991·5	1007·8	− 0·9	306·6	314·7	30th	292·9	287·8	15th	299·8	−2·0	*299·6*	71	+ 46
1165	Thargomindah	27 58	143 43	123	995·8	1009·8	..	301·8	309·1	29th	290·7	285·4	15th	296·2	..	*295·8*	93	+ 64
1166	Mitchell	26 32	147 52	336	..	..	..	302·0	309·6	12th	287·8	281·9	28th	294·9	−2·1	..	52	+ 2
1167	Rockhampton	23 24	150 30	11·3	1009·3	1010·6	− 2·6	302·7	308·0	25th	293·1	290·2	2nd, 4th	297·9	−0·7	*297·3*	142	+ 88
1168	Brisbane	27 28	153 2	11·6	1011·8	1013·1	− 1·4	299·8	303·7	24, 25, 29	290·4	286·6	9th	295·1	−1·0	*294·3*	315	+222
1169	Quitchambo	21 52	166 3	38	1007·8	1012·2	..	303·1	306·0	9th	289·3	285·0	3rd, 17th	296·2	..	..	17	− 76
1170	Norfolk Island	29 5 S.	167 53 E.	15·2	1015·6	1017·0	+ 0·7	295·1	297·2	30th	290·4	287·4	23rd	292·7	+0·1	*292·3*	154	+ 77

NOVEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	291·3	293·4	2nd	286·8	285·3	24th	289·1	+0·1	*288·4*	26	− 26
1221*a*	Punta Tumbes	36 37	73 6	91	‡1007·2	‡1018·3	+ 1·1	289·2	291·6	15th	281·7	280·0	14th, 25th	285·5	−0·4	*285·2*	0	− 17
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1012·0	1016·9	+ 0·7	293·3	298·5	27th	283·1	281·4	26th	288·2	−0·9	*288·0*	0	− 8
1222*a*	Santiago	33 27	70 42	520	955·6	1015·7	+ 0·9	299·4	303·6	29th	281·4	279·4	17th	290·4	+0·2	*289·4*	0	− 6
1223	Cordoba	31 25	64 12	423	965·0	1013·6	+ 2·6	302·8	309·5	..	285·2	277·1	..	294·0	+0·1	293·3	98	− 4
1224	Bahia Blanca	38 45	62 15	25	..	1013·5	+ 2·4	300·8	308·4	19th	285·7	276·8	15th	293·3	+2·1	293·7	17	− 36
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1015·8	+ 2·2	298·4	304·4	30th	285·7	275·4	9th	292·1	−1·1	292·1	12	− 65
1226	Montevideo (Prado)	34 52	56 12	24·9	1013·5	1016·4	+ 3·1	..	304·1	22nd	..	276·4	16th	..	−0·6	290·5	6	− 75
1226*a*	Porto Alegre	30 2	W51 13	23·5	1012·6	1015·2	+ 2·3	298·3	304·1	13th	286·4	281·8	11th	292·3	−2·3	292·0	15	− 58
1239	Cape Town	33 56	E 18 29	12·2	..	1017·3	+ 1·3	295·6	304·9	21st	286·1	280·3	26th	290·8	+0·5	*289·7*	20	− 7
1240	Danger Point	34 37	19 18	19·5	..	..	..	292·5	294·1	6, 22, 30	285·9	283·0	6th, 7th	289·2	..	..	23	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	296·4	309·7	23rd	283·0	277·4	7th	290·2	..	..	19	− 14
1242	East London	33 2	27 53	9·8	1012·1	1013·3	− 1·8	295·0	298·6	26th	288·6	284·7	7th	291·8	0·0	..	179	+ 94
1259	Perth (Observatory)	31 57	115 51	60·0	1007·2	1014·6	− 0·7	297·1	308·6	26th	286·7	282·1	4th	291·9	0·0	*291·6*	1	− 19
1260	Katanning	33 42	117 35	310	979·2	1015·1	+ 0·3	296·9	306·6	26th	281·9	276·1	17th	289·4	−1·2	..	0	− 17
1261	Coolgardie	30 57	121 10	423	965·0	1012·8	− 0·1	300·7	309·8	2nd	285·3	280·2	6th, 16th	293·0	−1·6	*292·8*	36	+ 19
1262	Eucla	31 45	128 58	4·6	1013·5	1014·2	− 0·4	293·5	310·2	3rd	285·9	279·1	22nd	289·7	−2·1	*289·1*	28	+ 10
1263	Streaky Bay	32 48	134 13	13·1	1013·9	1015·5	+ 0·1	296·8	306·9	2nd	285·1	279·1	17th	290·9	−1·5	*290·1*	12	− 5
1264	Adelaide	34 56	138 35	42·7	1008·8	1013·9	− 1·2	297·0	304·7	2nd	285·3	279·6	13th	291·1	−1·3	*290·6*	29	0
1265	Melbourne	37 49	144 58	35·1	1009·4	1013·5	− 0·7	293·9	302·2	29th	284·6	279·3	6th	289·2	−0·1	288·7	106	+ 50
1266	Bourke	30 13	145 58	110	1001·2	1013·9	+ 1·1	301·4	308·0	11, 20, 29	287·6	284·1	15th, 28th	294·5	−3·8	..	98	+ 66
1267	Sydney	33 52	151 12	44·5	1008·9	1014·2	+ 0·3	295·1	301·2	15th	287·9	284·1	19th	291·5	−1·0	*291·2*	212	+140
1268	Lord Howe Island	31 32	159 4	4·6	1015·4	1016·0	..	295·3	297·4	16th	290·1	284·4	21st	292·7	..	..	145	+ 39
1271	Auckland	36 50	174 50	38·1	..	1018·2	..	293·4	296·1	28th	286·1	283·0	24th	289·7	+1·0	..	42	− 41
1272	Napier	39 32 S.	176 53 E.	21·3	..	1018·9	+ 6·9	293·3	299·7	13th	284·3	279·7	5th, 12th	288·8	−0·1	..	77	+ 13

NOVEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	176 42	104	..	..	..	..	..	..	..	..	..	..	..	..	21	− 52
1321	Isla Huafo	43 34	74 45	140	1001·8	1018·9	+ 2·3	284·9	287·0	2nd, 21st	280·9	278·2	24th	282·9	+0·2	*282·9*	53	− 17
1322	Punta Galera	40 1	73 44	40	1014·7	1019·6	+ 2·0	286·9	291·4	29th	281·0	277·8	6th	283·9	−0·6	*284·8*	97	− 14
1323	Sarmiento	45 30	69 0	274	..	1010·8	..	296·3	305·4	17th	282·0	274·8	8th	289·1	+1·9	288·7	2	− 8
1324	Puerto Madryn	42 49	W64 58	14	..	1013·1	..	297·1	307·4	23rd	283·9	276·4	9th	290·5	+0·6	289·6	3	− 5
1365	Launceston	41 27	E147 10	9·4	1012·0	1013·1	+ 2·8	293·1	297·6	3rd	282·7	275·3	18th	287·9	+0·4	*287·1*	88	+ 42
1366	Hobart	42 53	147 22	53·9	1006·0	1012·5	+ 3·1	292·1	301·9	4th	282·6	277·4	6th	287·3	+0·3	*286·5*	64	0
1370	Invercargill	46 25	168 21	5·5	..	..	..	290·7	299·7	17th	280·8	272·4	22nd	285·8	+1·5	..	58	− 55
1371	Dunedin	45 52	170 31	91·4	..	1018·5	+ 9·5	291·2	301·3	13th	281·7	275·8	21st	286·4	+1·7	..	39	− 43
1371*a*	Christchurch	43 31	172 38	7·6	..	1018·1	+ 8·1	291·3	298·4	15th	283·1	275·2	23rd	287·2	+0·9	..	25	− 25
1372	Wellington	41 16	174 46	2·4	..	1019·6	+ 8·7	291·2	294·6	30th	284·1	280·5	25th	287·7	+0·9	..	45	− 43
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

NOVEMBER—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	999·0	1005·8	+ 4·6	281·7	284·4	21st, 30th	278·6	276·5	26th	280·1	+0·7	*280·0*	223	− 8
1422	Puerto de Punta Arenas	53 10	70 54	4	1003·4	1003·9	+ 4·3	288·6	298·0	21st	278·5	275·5	7th	283·5	+1·7	*283·4*	27	− 7
1423	Punta Dungeness	52 24	68 26	5	1003·4	1004·0	+ 5·1	289·3	293·3	30th	276·8	275·0	7th	283·1	+1·9	*283·4*	12	+ 3
1424	Santa Cruz	50 11	68 21	12	..	1007·6	+ 3·7	294·0	305·4	21st	281·1	274·2	18th	287·5	+2·3	287·0	13	+ 2
1424*a*	Año Nuevo	54 39	64 9	50	994·7	1000·8	+ 3·6	282·9	285·1	4th	277·7	273·7	7th	280·3	+1·4	280·1	59	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	25	− 24
1426	Cape Pembroke	51 41	57 42	21	..	1005·0	+ 5·8	283·9	288·6	17th	277·0	274·1	7, 12, 27	280·5	+1·0	280·6	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	997·8	998·3	+ 4·9	282·5	292·9	25th	274·5	271·1	22nd	278·5	+2·0	*278·7*	26	− 73

NOVEMBER—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys.	S. 60 44	W. 44 39	7	987·2	988·1	− 0·2	275·0	280·3	24th	271·1	268·3	17th	273·1	+1·9	272·6	22	− 13
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—NOVEMBER 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. *Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.	Sierra Leone. 834. Direction and Force.	Entebbe. 844. Direction and Force.	Malden Island. 905. Direction and Force.	Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.	Suva, Fiji. 1072. Direction and Force.
	9h.	m/s	9h. 21h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SSE	6·8	SE 6 SE 6	Calm 0 SW 3	W 3 SW 2	ESE 4	SE 4	ESE 5 E 5	E 3
2	SSE	6·4	SE 5 SE 4	Calm 0 W 1	SW 3 SW 2	ESE 4	SE 6	ENE 5 ENE 2	NE 1
3	SE	8·3	SE 5 SE 3	W 1 SW 2	W 3 W 3	E 3	SE 6	E 5 E 5	Calm 0
4	SE	—	SE 4 SE 3	Calm 0 SW 1	W 2 SW 3	ENE 2	SE 4	E 6 E 6	NE 3
5	SE	—	SE 4 SE 2	Calm 0 W 1	Calm 0 W 3	E by N 2	SE 4	E 5 E 4	E 3
6	SE	—	SE 4 SE 4	Calm 0 Calm 0	Calm 0 W 3	E 3	SE 2	SE 4 ENE 4	N 3
7	SE	—	SE 4 SE 4	SW 2 W 2	SW 2 SW 3	E by S 2	SE 2	E 5 E 5	NW 3
8	SE	—	SE 5 SE 5	W 1 W 1	SW 3 W 3	ESE 4	SE 4	NE 6 NE 4	SE 3
9	SE	—	SE 4 SE 4	W 1 SW 2	Calm 0 N 3	ESE 4	SE 6	ENE 5 E 3	SE 4
10	SE	—	SE 6 SE 6	Calm 0 W 1	W 3 SW 3	E 3	SE 4	ENE 4 E 2	SE 3
11	SE	—	SE 6 SE 4	Calm 0 SW 1	W 3 W 3	E by S 4	SE 2	E 2 Calm 0	SW 4
12	SE	—	SE 5 SE 5	Calm 0 W 1	Calm 0 SW 2	E 3	Calm 0	E 2 E 2	S 4
13	SE	—	SE 6 SE 4	Calm 0 W 2	SW 3 W 3	E by S 3	Calm 0	E 3 ENE 1	SE 4
14	SE	—	SE 5 SE 4	S 1 S 3	W 3 W 3	SE 3	SE 2	E 3 E 2	SE 2
15	SE	—	SE 5 SE 5	Calm 0 W 2	W 5 W 3	SE 3	NW 2	NE 4 NE 2	SE 2
16	SSE	—	SE 5 SE 5	S 2 S 2	W 3 W 4	E 2	Calm 0	E 4 E 3	Calm 0
17	SE	—	E 5 SE 4	S 1 S 2	Calm 0 W 3	E 3	Calm 0	E 3 E 2	S 1
18	SE	—	E 5 E 4	W 1 W 2	Calm 0 W 4	E by S 2	SE 2	E 3 E 3	SW 0
19	SE	—	E 4 E 3	Calm 0 Calm 0	W 3 W 3	ENE 2	Calm 0	E 5 E 4	Calm 0
20	SE	—	E 4 E 4	Calm 0 Calm 0	W 3 SW 3	ENE 2	E 2	E 6 E 3	Calm 0
21	SE	—	E 4 E 3	Calm 0 W 1	W 3 W 3	ENE 2	Calm 0	ESE 4 ESE 3	NE 1
22	SE	5·5	ESE 5 E 3	Calm 0 W 1	Calm 0 W 3	ENE 3	Calm 0	NE 5 ENE 4	N 2
23	SE	4·8	E 4 E 4	W 1 W 1	E 2 N 2	NE 3	SE 2	ENE 5 E 3	NE 2
24	SE	5·6	SE 4 ESE 4	W 2 Calm 0	Calm 0 W 2	NE 2	SE 2	ENE 4 E 3	NW 1
25	SE	8·2	SE 4 SE 4	Calm 0 Calm 0	S 2 S 3	ENE 3	Calm 0	E 4 E 4	NW 1
26	SE	13·3	SE 4 E 4	Calm 0 W 1	E 2 W 3	ENE 3	Calm 0	SE 3 ESE 3	SE 3
27	SE	13·5	ESE 4 SE 4	Calm 0 SW 1	Calm 0 W 2	E by N 2	Calm 0	E 3 ESE 1	SE 4
28	SE	11·6	SE 4 SE 4	Calm 0 SW 2	S 2 SW 2	ESE 2	Calm 0	E 3 NE 1	E 2
29	SE	11·5	SE 4 ESE 4	Calm 0 Calm 0	E 3 SW 3	E by N 2	Calm 0	E 3 Calm 0	E 1
30	SE	—	SE 4 SE 4	Calm 0 W 2	W 3 W 3	ENE 2	SE 2	N 2 NW 1	E 1
Mean ..	..	(8·7)	4· 4·	0·4 1·5	2·0 2·8	2·7	1·9	4·0 2·8	2·
†Resultant	140° (97)	..	125° (94)	245° (47)	255° (62)	90° (89)	130° (52)	85° (85)	100° (34)
†Normal	142° (93)	8·3	116° (76)	285° (8)	255° (36)	72° (82)	131° (52)	108° (36)	101° (63)

* Mean velocity of the South-East Trade Wind at 632 metres.
† Direction and "constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—NOVEMBER 1917.

* *Spitsbergen.*—The ice in Advent Bay was 40 cm. thick. Drift ice was again reported in the mouth of Bell Sound.

* *Iceland* was ice free, as usual in this month.

* *Denmark Strait.*—The ice off Angmagsalik attained an unusual thickness.

* *Davis Strait and Baffin Bay.*—At first the sea was free, but later ice drifted to 40 miles S. of Cape Farewell. This was very early, the normal time being the end of January. Icebergs were exceptionally numerous in Julianehaab Bay. Smith Sound was covered with ice.

**Isforholdene i de Arktiske Have*, 1917, 1918, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, DECEMBER 1917.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF DECEMBER 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **DECEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	1016·3	..	+ 5·5	..	254·6	14th	..	239·1	9th	..	..	*246·4*	0	..
124	Upernivik	72 47	W56 7	18·9	1014·4	1016·9	+11·0	254·8	267·3	2nd	248·1	242·5	16th	251·5	−4·4	*251·6*	13	0
125	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	999·6	1001·1	− 8·8	..	268·8	12th	250·0	239·2	18th	..	−4·3	253·3	40	+ 1
139	Gjesvaer	71 6	25 22	6·5	997·8	998·6	− 4·4	..	276·5	6th	267·1	263·0	2nd	..	−0·2	*269·6*	108	+ 41
140	Mehavn	71 1	27 47	6·4	998·7	999·5	− 5·6	..	275·9	6th	265·3	259·1	4th	..	−0·1	*268·7*	65	− 13
141	Vardö	70 22	31 8	10·0	1000·3	1001·6	− 3·5	..	275·3	6th	265·4	259·7	27th	..	−0·6	*268·1*	55	− 9
142	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24 N.	58 47 E.	11·2	1005·4	1006·9	− 1·7	?265·2	272·0	13th	258·7	252·1	6th	?262·0	..	*262·8*	2	..

Between Latitude 70° N. and 60° N. **DECEMBER—ZONE 2.**

202	Gambel	N. 63 51	W. 171 35	6·1	..	..	..	259·7	269·7	1st	255·6	248·6	22nd, 23rd	257·6	..	..	4	..
203	Nome	64 30	165 24	6·7	..	1025·7	+17·6	259·6	269·1	12th	253·2	243·0	20th	256·4	−2·0	*256·3*	0	− 27
204	Candle	65 55	161 57	2·4	..	..	..	247·6	259·7	1st	241·8	230·8	24th, 25th	244·7	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1028·1	+14·4	241·6	250·2	12th	235·6	226·3	23rd	238·6	−10·6	*238·8*	0	− 26
206	Rampart	65 30	150 15	122	..	..	..	239·6	246·9	9, 10, 27	232·9	225·8	23rd, 30th	236·2	..	..	0	− 19
207	Valdez	61 7	146 16	8·2	..	..	..	262·6	271·9	29th	256·3	245·2	26th	259·4	−7·4	*259·4*	4	−155
208	Eagle	64 46	141 12	254	..	1031·5	+17·0	232·9	241·3	6th	226·6	220·2	24th	229·8	−21·2	..	0	− 12
209	Dawson	64 4	139 20	328	997·6	1047·3	+34·1	228·0	235·8	31st	225·2	220·2	25th	226·6	−21·6	..	5	− 27
210	Carcross	60 11	134 34	662	..	..	..	242·4	254·7	8th	233·8	218·0	sev. dates	238·1	−21·7	..	9	− 9
211	Fort Good Hope	66 25	128 53	65·2	1023·5	1033·2	..	..	..	..	227·4	220·2	21, 24, 25	..	..	..	5	..
212	Fort Simpson	61 52	121 35	129	1010·1	1028·9	..	243·0	252·4	15th	235·8	223·6	25th	239·4	−9·6	..	11	− 9
213	Hay River	60 51	115 20	161	1003·2	1026·4	..	..	..	..	237·4	221·9	25th	..	..	..	0	..
225	Jacobshavn	69 13	51 2	12·6	1011·1	1012·8	+ 8·8	..	..	..	253·6	245·7	16th	..	−2·7	*257·3*	38	+ 26
226	Godthaab	64 11	51 43	9·0	1008·6	1009·8	+10·7	268·7	277·2	24th	263·2	257·4	5th	265·9	+0·6	*265·7*	16	− 23
227	Ivigtut	61 12	48 10	5·0	1012·4	1013·0	+14·3	..	..	..	265·9	258·1	29th	..	+3·0	*269·7*	167	+ 88
229	Angmagsalik	65 37	37 33	31·7	1011·4	1015·6	+17·3	263·1	272·9	3rd	254·9	243·6	9th	259·0	−7·0	*259·0*	26	− 50
231	Stykkisholm	65 5	22 46	11·3	1014·0	1015·5	+16·5	273·6	279·5	27th	264·8	253·5	17th	269·2	−2·6	*269·1*	83	+ 19
232	Vestmanno	63 3	20 15	7·7	1012·6	1013·0	+14·4	277·0	281·1	27th, 29th	269·9	259·4	16th	273·5	−0·9	*273·4*	137	− 3
233	Grimsey	66 33	17 58	22·0	..	..	..	271·8	280·2	27th, 29th	263·9	256·6	16th	267·9	−3·8	*267·9*	0	− 20
233*a*	Akureyri	65 40	18 4	6·8	1012·8	1013·7	+12·6	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1009·9	1012·2	+11·5	274·8	283·2	25th, 31st	264·5	256·8	17th	269·7	−2·7	*269·8*	52	− 85
235	Thorshavn	62 3	6 45	25·7	1011·1	1014·3	+12·5	277·2	282·4	5th	271·2	263·8	4th	274·2	−2·2	*274·4*	119	− 49
236	Lerwick	60 9	W 1 8	18·0	1012·9	1015·1	+10·9	278·3	282·4	5th, 6th	273·2	267·4	3rd, 4th	275·8	−1·7	*276·3*	138	+ 16
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1007·3	1013·1	+ 4·0	..	281·9	6th	271·9	266·8	22nd	..	−0·7	*274·2*	417	+236
238	Christiansund	63 7	7 45	17·8	1006·4	1008·6	+ 2·3	..	281·3	6th	272·4	268·2	3rd	..	0·0	*275·2*	218	+105
239	Trondhjem	63 26	10 25	39·5	1004·2	1009·2	+ 1·6	..	281·8	6th	268·2	258·2	3rd	..	+0·7	*271·4*	90	+ 3
240	Bodö	67 17	14 24	22·4	1002·0	1004·8	− 0·2	..	280·0	6th	266·7	261·0	16th	..	+0·1	*270·8*	94	+ 10
241	Haparanda	65 50	24 9	9·2	1007·1	1008·3	− 0·9	268·2	276·5	29th	259·2	247·5	3rd	263·7	+1·2	*264·2*	25	− 7
242	Helsingfors	60 10	24 57	11·7	1010·6	1012·1	− 0·1	273·4	278·4	9th	267·5	258·6	23rd	270·5	+1·1	*270·6*	65	+ 14
242*a*	Kuopio	62 54	27 40	90·3	999·2	1010·8	− 0·7	270·1	276·0	30th	263·1	241·7	24th	266·6	+1·4	*266·8*	79	+ 37
243	Kola	68 53	33 1	6·7	1004·8	1005·7	− 2·1	266·1	276·4	9th	255·4	239·5	22nd	260·8	−1·5	*261·0*	17	0
244	Petrozavodsk	61 47	34 23	38·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	5·8	1012·8	1013·6	+ 2·5	267·3	273·7	8th	261·7	251·2	6th	264·5	+2·9	*264·6*	30	+ 6
246	Mezen	65 50	44 16	12·6	1010·4	1012·0	+ 1·5	266·0	273·5	12th	261·0	250·3	5th, 6th	263·5	+3·9	*263·5*	16	+ 6
247	Oust-Tsylma	65 25	52 14	? 70	1006·4	1015·6	− 0·9	265·0	271·0	13th	259·9	248·5	6th	262·4	+4·6	*262·6*	21	..
248	Tcherdyn	60 24	56 31	?177	1001·0	1024·3	+ 7·1	265·1	273·8	4th	260·3	250·8	23rd	262·7	+6·5	*262·6*	40	+ 3
249	Berezov	63 56	65 1	39·9	1018·7	1024·1	+ 9·2	262·0	271·0	1st	253·5	245·1	21st	257·8	+6·0	*257·6*	13	− 1
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1021·8	1027·3	+ 9·2	..	274·4	5th	249·0	231·5	11th	..	+2·0	*254·5*	26	+ 8
252	Doudinka	69 23	86 4	20	1021·0	1023·7	+ 8·1	..	271·3	3rd	248·7	234·2	11th	..	..	*251·6*	7	..
253	Touroukhansk	65 47	87 57	45	1025·2	1031·5	+11·5	..	273·0	3rd	246·0	229·9	28th	..	+4·3	*250·0*	24	+ 9
254	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Iakoutsk	62 1	129 43	108	1020·7	1037·0	+10·8	..	248·8	14th	230·9	220·6	31st	..	+1·4	*233·9*	0	− 11
262	Verkhoïansk	67 33	133 23	100	1018·7	1034·0	+12·2	..	244·0	6th	226·9	217·4	30th, 31st	..	+2·9	*229·2*	2	− 2
263	Oust-Maïskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Markovo-sur-Anadyr	64 45	170 50	25·9	1029·4	1033·0	+20·8	250·4	270·6	1st	243·0	234·0	6th	246·7	−0·4	..	16	+ 7
271	Novo-Mariinskii Post	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DECEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	276·3	279·1	25th	273·7	268·6	9th	275·0	..	..	141	..
302	St. Paul Island	57 15	170 10	6·1	..	1009·5	+ 6·8	272·2	275·8	26th, 27th	268·2	262·4	29th	270·2	..	..	54	+ 29
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1005·4	+ 3·7	275·3	278·6	5th	271·6	265·8	16th	273·4	+0·5	*273·6*	202	
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	1007·1	+ 5·4	272·3	277·4	sev. dates	268·1	260·2	22nd	270·2	..	*270·3*	117	− 27
309	Sitka	57 3	135 19	27·4	..	1007·1	− 0·7	273·7	283·0	29th, 30th	267·6	257·4	22nd	270·7	−4·6	*270·8*	248	+ 13
310	Prince Rupert	54 18	130 18	51·8	1001·5	1008·0	− 1·7	274·7	285·2	30th	270·2	260·8	27th	272·4	−4·0	*272·3*	252	− 73
311	Barkerville	53 2	121 35	1274	861·8	..	..	266·3	277·4	31st	258·0	243·6	12th	262·2	−4·8	*262·3*	119	+ 32
312	Kamloops	50 42	120 29	385	973·6	1022·2	− 0·4	270·8	283·0	18th	264·1	249·1	24th	267·4	−3·9	*267·3*	70	+ 31
313	Calgary	51 2	114 2	1045	892·8	..	..	263·0	285·8	31st	253·0	239·7	24th	258·0	−8·6	*257·3*	38	+ 26
314	Fort Chipewyan	58 42	111 10	218	996·9	1027·6	..	247·4	259·7	1st, 2nd	239·1	223·6	26th	243·3	−13·1	*243·2*	69	+ 40
315	Prince Albert	53 10	106 0	442	968·5	1028·4	+ 9·9	252·4	267·4	19th	243·6	227·4	28th	248·0	−10·2	*247·6*	25	+ 7
316	Qu'Appelle	50 30	103 47	645	941·4	1023·9	+ 7·3	256·9	275·2	17th	245·8	235·2	14, 24, 27	251·3	−9·9	*251·1*	30	+ 17
317	Minnedosa	50 15	99 50	515	958·7	1027·0	+ 8·5	256·9	269·7	17th, 18th	246·3	233·0	28th	251·6	−8·1	*250·8*	33	+ 16
318	Berens River	52 18	97 23	216	..	..	..	251·7	269·7	1st	243·4	229·7	27th	247·6	−9·1	..	91	+ 67
318a	Port Nelson	57 4	92 36	14·9	1022·9	1024·9	..	246·9	262·4	3rd	240·2	227·4	27th	243·6	..	..	7	..
319	Fort Hope	51 33	87 49	‡260	988·8	1021·7	..	253·6	274·7	18th	242·4	230·2	28th	248·0	−6·9	*247·9*	32	+ 9
320	Moose Factory	51 14	80 30	9·1	1020·5	1021·8	+ 4·6	255·2	273·6	18th	245·2	233·0	30th	250·2	−7·6	..	0	− 39
321	Fort George	53 50	79 5	97·5	..	..	..	256·7	271·9	18th	248·0	234·7	30th, 31st	252·4	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	280·1	273·0	20th	245·4	227·4	27th	262·7	..	..	65	..
323	Hebron	58 12	62 21	15·0	1019·1	1021·1	+14·7	..	..	..	257·0	247·6	..	..	..	*259·3*	..	..
324	Natashquan	50 8	61 48	?	..	..	..	266·9	275·2	10th	255·5	239·7	28th	261·2	..	..	38	− 58
326	Belle Isle	51 53	55 23	133	997·5	1014·8	+ 7·7	269·7	273·6	8th, 15th	259·7	244·7	28th	264·7	+1·8	*265·5*	11	− 64
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1025·0	1026·7	+16·0	280·9	285·2	6th	277·0	270·8	23rd	278·9	−1·6	279·2	105	− 50
335	Aberdeen	57 10	2 6	26·8	1016·8	1020·2	+13·1	278·2	284·1	6th	273·5	266·9	5th	275·8	−0·9	276·1	32	− 29
336	Greenwich	51 28	W 0 0	46·3	1017·5	1023·4	+ 8·2	277·6	284·7	1st, 7th	272·5	264·7	19th	275·0	−2·4	275·2	28	− 38
337	Uccle	50 48	E 4 22	100	1008·6	1021·3	+ 4·6	275·2	281·3	14th	269·1	263·6	26th, 27th	272·2	−3·3	272·9	31	− 37
338	De Bilt	52 6	5 11	3·0	1020·9	1021·3	+ 6·1	276·2	283·4	1st	270·0	262·5	20th	273·1	−2·1	273·0	37	− 12
338a	Hamburg	53 33	9 58	26·0	1015·9	1019·2	+ 5·3	274·9	281·5	1st	271·1	264·5	21st	273·0	−1·4	*273·0*	50	− 24
339	Copenhagen	55 41	12 36	5·0	1015·5	1016·1	+ 2·8	275·3	281·4	1st	272·0	267·2	23rd	273·7	−1·4	*274·0*	20	− 2
340	Potsdam	52 23	13 4	84·9	1008·5	1019·4	+ 4·0	274·3	282·6	1st	268·9	259·9	23rd	271·6	−2·5	271·3	42	+ 1
340a	Upsala	59 51	17 38	24·0	1007·9	1010·9	− 0·1	272·2	279·3	7th	265·7	254·3	23rd	269·0	−0·1	269·4	40	− 1
341	Warsaw	52 13	21 1	133	1002·4	1019·4	+ 2·4	272·7	281·0	1st	268·2	261·9	21st	270·4	0·0	270·7	23	− 12
342	Jurjev	58 23	26 43	74·5	1005·6	1015·2	+ 2·2	270·8	275·6	2nd	264·8	257·0	12th	267·8	0·0	268·1	27	
343	Petrograd	59 56	30 16	4·8	1014·2	1014·8	+ 2·1	270·4	275·5	3rd	264·4	256·9	12th	267·4	+0·4	*267·6*	49	+ 17
344	Kiev	50 27	30 30	183	999·6	1023·0	+ 4·3	271·2	284·0	2nd	267·0	259·8	7th	269·1	+0·4	*269·1*	16	− 23
344a	Moscow	55 50	37 33	167	1001·9	1023·7	+ 6·1	267·4	276·4	3rd	262·2	255·5	25th	264·8	−1·1	*264·8*	14	− 20
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1017·9	1028·5	+ 9·2	267·1	277·3	4th	261·6	251·3	27th	264·4	+2·1	*264·5*	34	+ 12
347	Orenburg	51 45	55 6	109	1017·2	1031·8	+ 8·2	265·5	275·5	1st	258·8	246·4	30th	262·2	+1·0	*262·3*	2	− 31
348	Perm	58 1	56 16	163	1006·6	1028·0	+ 9·1	266·0	275·3	4th	260·9	252·7	23rd	263·4	+3·7	*263·7*	27	− 10
349	Ekaterinburg	56 49	60 38	281	991·5	1028·2	+ 7·2	265·5	278·8	4th	259·7	251·0	24th	262·6	+3·6	*262·5*	29	+ 15
350	Tobolsk	58 12	68 14	?108	1015·4	1030·1	+ 9·2	260·7	274·4	4th, 5th	254·9	244·2	22nd	257·8	+1·4	*257·4*	11	− 12
351	Akmolinsk	51 12	71 23	?347	988·8	1035·1	+ 5·5	..	273·6	1st	253·3	238·3	24th	..	−2·1	*256·9*	3	− 11
352	Omsk	54 58	73 23	87·9	..	..	..	..	..	..	..	..	..	..	..	..	9	..
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	− 12
354	Tomsk	56 30	84 58	122	1017·2	1034·0	+ 7·2	..	277·7	2nd	251·1	237·1	12th	..	−0·7	*255·1*	32	
355	Minousinsk	53 43	91 41	249	1004·8	1039·3	+ 7·4	..	275·9	7th	244·6	228·7	20th	..	..	*249·9*	13	− 13
356	Eniseisk	58 27	92 10	77·6	1025·4	1036·4	+ 9·3	..	271·2	5th	244·9	231·6	24th	..	−2·4	*249·9*	16	− 1
357	Irkutsk	52 16	104 19	467	975·8	1039·2	+ 7·5	..	271·6	6th	245·1	233·4	24th	..	−5·2	*249·7*	17	− 8
358	Kirensk	57 47	108 7	263	1002·2	1039·4	+ 9·0	..	270·2	6th	238·6	223·5	13th	..	−4·3	*243·7*	18	+ 1
359	Tchita	52 2	113 30	687	942·0	1033·7	+ 3·3	..	265·8	7th	242·4	232·4	25th	..	−0·9	*247·8*	5	..
360	Blagoveshchensk Priisk	58 10	114 19	490	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 3
360a	Nertchinskii Zavod	51 19	119 37	626	945·8	1029·9	+ 0·4	..	263·4	1st	242·4	230·4	24th	..	−0·3	*246·3*	7	..
361	Tygan Ourkan	54 5	124 46	379	974·4	1025·1	..	256·1	264·0	17th	248·0	236·5	10th	252·0	..	*252·0*	4	+ 2
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	1002·2	1021·4	− 0·4	258·0	266·6	18th	251·2	241·7	9th	254·6	+3·6	*254·4*	3	..
363	Paikanskii Sklad	50 11	130 7	145	999·2	1018·9	..	258·3	271·2	16th	247·6	236·6	30th	252·9	..	*253·1*	8	
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1013·1	1015·9	+ 3·3	..	274·6	17th	257·1	243·7	6th	..	+8·0	*260·5*	42	+ 21
366	Okhotsk	59 21	143 12	6·0	1019·8	1020·6	+ 8·9	262·5	272·6	5th, 8th	257·4	246·4	31st	259·9	+9·6	*260·0*	1	− 2
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1005·8	1007·5	+ 5·5	274·5	278·9	15th	269·2	262·4	31st	271·8	..	*271·8*	79	..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	1003·0	+ 1·0	..	279·1	sev. dates	..	270·2	6th	274·8	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

DECEMBER—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1007·4	1016·1	− 0·7	280·2	286·3	18th, 31st	275·8	270·8	23rd, 24th	278·0	0·0	278·2	331	+181
412	Portland, Oregon	45 32	122 41	46·6	1013·7	1019·3	+ 0·5	284·4	291·3	29th	279·8	274·1	25th	282·1	+4·1	*282·3*	361	+182
413	Macleod	49 44	113 24	953	..	..	..	265·4	285·2	30th	254·6	236·3	12th	260·0	−9·4	*260·0*	36	+ 22
414	Helena	46 34	112 4	1253	872·0	1018·9	− 1·9	274·4	288·0	18th	262·8	242·4	12th	268·6	−0·5	*268·9*	83	+ 63
414a	Salt Lake City	40 46	111 54	1329	871·2	1021·3	0·0	282·2	289·1	19th	274·7	269·7	8th	278·4	+5·5	*278·6*	10	− 25
415	Cheyenne	41 8	104 48	1856	811·0	1017·6	− 1·2	278·4	288·0	1st	265·8	251·3	9th	272·1	+2·2	*273·5*	21	+ 10
416	North Platte	41 8	100 45	859	920·4	1024·4	+ 4·6	275·6	293·0	23rd	261·2	248·6	9th	268·4	−3·0	*267·0*	7	− 8
416a	Bismarck	46 47	100 38	511	961·5	1026·4	+ 6·7	262·2	281·9	19th	251·9	234·7	29th	257·0	−5·6	*258·0*	15	0
417	Winnipeg	49 53	97 7	232	995·2	1026·6	+ 8·7	257·4	270·8	2nd, 18th	249·1	236·9	28th	253·3	−5·1	*252·9*	15	− 10
418	Duluth	46 47	92 6	345	980·2	1024·4	+ 6·7	262·8	275·2	19th	252·4	235·8	28th	257·6	−6·5	*257·4*	27	+ 4
419	Port Arthur	48 27	89 12	196	997·6	1023·7	+ 6·5	263·6	277·4	18th	251·9	236·3	28th	257·7	−5·2	*257·6*	26	+ 5
420	Chicago	41 53	87 37	251	993·1	1024·7	+ 6·1	271·1	284·1	20th	264·3	253·6	10th	267·7	−4·1	*267·9*	22	− 29
421	Toronto	43 40	79 24	116	1008·4	1023·6	+ 6·1	270·2	278·6	24th	261·9	245·8	29th	266·1	−3·7	265·6	61	− 11
422	New York (Central Park)	40 46	73 58	30·2	1019·5	1023·4	+ 4·9	272·8	281·3	1st	265·4	248·0	30th	269·1	−5·1	269·1	108	+ 21
423	St. John, N.B.	45 17	66 4	36·2	1015·2	1019·9	+ 5·8	269·7	280·8	9th	260·2	244·1	30th	264·9	−3·9	264·5	77	− 29
424	S.W. Point, Anticosti	49 24	63 33	9·1	1017·9	1019·1	+ 8·9	268·6	275·2	9th, 14th	262·4	250·8	28th	265·5	−0·9	*265·5*	62	+ 7
424a	Sable Island (Main Station)	43 57	60 0	7·6	1017·8	1018·8	+ 7·5	277·4	284·7	7th, 9th	270·8	264·7	28th	274·1	−1·2	*274·4*	246	+109
425	Port aux Basques	47 35	59 10	9·1	1015·9	1017·1	+ 7·3	273·6	280·2	9th	267·4	260·8	27th, 28th	270·5	−0·4	*270·1*	145	+ 6
426	St. John's, Newfoundland	47 34	52 42	38·1	1012·2	1017·0	+ 8·0	275·2	282·4	15th	270·2	259·1	29th	272·7	+1·4	*272·7*	142	− 1
435	Madrid	40 24	3 41	655	939·6	1018·3	− 3·5	281·1	287·8	2nd	270·7	263·0	31st	275·9	−2·2	274·8	40	− 2
436	Nantes	47 15	W 1 34	36·5	1017·1	1021·7	+ 3·5	277·6	282·9	7th	271·7	265·4	24th	274·7	−3·1	274·6	44	− 41
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1015·8	1022·2	+ 4·0	275·8	281·6	14th	270·2	261·4	24th	273·0	−2·6	273·1	25	− 17
438	Marseilles	43 18	5 23	74·8	1006·4	1015·8	− 0·5	282·7	290·3	1st	273·7	265·2	28th	278·2	−2·1	277·6	118	+ 45
438a	Zürich	47 23	8 33	493	961·2	1022·8	+ 2·4	272·3	282·0	1st	266·3	258·5	29th	269·3	−3·4	269·0	18	− 55
439	Rome	41 54	12 27	45	1010·6	1015·9	+ 0·6	282·9	288·7	1st	276·6	270·7	7th	279·7	−1·6	*279·6*	128	+ 38
440	Vienna	48 15	16 22	203	994·4	1020·1	+ 0·7	273·6	281·5	2nd	269·6	265·9	26th	271·6	−0·8	271·7	65	+ 23
440a	Buda-Pesth	47 31	19 1	130	1003·9	1020·3	+ 0·6	274·3	280·8	2nd	269·7	262·3	20th	272·0	−1·2	*271·8*	81	+ 27
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1011·9	1022·4	+ 2·0	275·7	287·5	1st	268·1	260·5	11th	271·9	−1·1	271·5	12	− 28
443	Odessa (University)	46 29	30 44	65·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
444	Kharkov (University)	50 0	36 14	140	..	..	..	..	..	..	..	..	..	..	..	..	..	..
444a	Novorossiisk	44 44	37 49	37·1	1015·1	1019·7	+ 0·6	282·9	289·0	4th	273·7	268·0	9th	278·3	−0·1	*277·8*	72	− 18
445	Tiflis	41 43	44 48	404	974·7	1024·3	+ 1·2	280·7	287·3	1st, 8th	272·7	266·3	25th	276·7	+0·1	*275·9*	12	− 10
446	Astrakhan	46 21	48 2	−13·8	1027·9	1026·2	+ 3·4	274·9	284·5	4th	269·9	262·5	28th	272·4	+2·5	*272·4*	10	− 4
447	Fort Alexandrovsk	44 30	50 16	24	1020·4	1023·4	+ 0·9	..	283·9	1st	271·7	262·5	28th	..	+1·2	*274·0*	6	− 8
448	Krasnovodsk	40 0	52 59	−14·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	57·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Tachkent	41 20	69 18	479	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 0	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	?825	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1019·5	1025·4	− 1·2	264·0	282·3	1st	252·9	244·0	25th	258·5	−4·6	258·0	17	+ 11
462	Joshin	40 40	129 11	4·0	1015·2	1015·7	− 4·7	272·9	280·5	1st	261·5	251·3	26th	267·2	−2·6	266·5	79	+ 42
463	Yuki	42 20	130 24	65·6	1007·3	1015·9	..	268·4	279·4	1st	261·9	253·4	26th	265·1	..	264·8	44	..
464	Vladivostok	43 7	131 55	128	998·8	1015·7	− 5·8	264·5	276·0	2nd	258·9	250·3	25th	261·7	−1·7	261·5	39	+ 26
465	Ochiai	47 20	142 44	6·6	1005·6	1006·5	− 5·4	272·8	278·9	3rd	266·0	255·6	15th	269·4	+6·6	270·1	126	+ 56
466	Nemuro	43 20	145 35	26·7	1001·4	1004·7	− 6·4	276·2	282·6	4th	270·7	267·6	26th, 28th	273·5	+2·1	273·6	59	− 1
466a	Syana	45 14 N.	147 53 E.	39·3	997·6	1002·5	− 6·4	275·7	283·6	4th	270·5	263·5	6th	273·1	+2·7	273·4	170	+ 58

Between Latitude 40° N. and 30° N.

DECEMBER—ZONE 5 (Western Half).

		N.	W.															
511	San Francisco	37 48	122 26	47·2	1015·7	1021·3	+ 1·0	288·9	293·0	12th	282·2	279·1	22nd	285·6	+1·6	*285·1*	18	− 86
512	San Luis Obispo	35 18	120 39	61·3	1013·0	1020·3	+ 0·6	295·4	303·6	29th	280·3	272·4	11th	287·9	+3·2	*287·8*	4	− 93
513	San Diego	32 43	117 10	26·5	1015·2	1018·3	+ 0·4	293·1	298·6	29th	282·4	279·7	12th	287·8	−0·1	*286·1*	0	− 44
514	Modena	37 48	113 54	1670	837·2	1022·3	+ 1·0	284·3	291·3	30th	266·3	260·2	8th	275·3	+4·1	*273·9*	5	− 8
515	Santa Fé	35 41	105 57	2138	788·3	1019·6	+ 1·1	282·5	286·3	1st	270·3	262·4	8th	276·4	+3·7	*275·8*	1	− 17
516	Denver	39 45	105 0	1613	837·1	1018·9	+ 0·4	284·6	292·4	19th	268·1	255·2	10th	276·3	+2·4	*275·5*	7	− 11
517	Abilene	32 23	99 40	530	959·1	1022·3	+ 2·9	284·4	300·8	1st	270·8	259·7	29th	277·6	−3·3	*276·9*	0	− 31
518	Saint Louis	38 38	90 12	173	1003·7	1025·4	+ 5·2	274·2	291·9	2nd	266·1	253·0	10th	270·1	−5·3	*269·6*	20	− 34
519	Mobile	30 41	88 2	17·4	1020·5	1022·7	+ 2·1	287·0	298·0	4th	277·0	264·7	30th	282·0	−2·0	*281·8*	47	− 73
520	Nashville	36 10	86 47	166	1004·8	1025·4	+ 4·4	277·8	294·1	2nd	267·5	255·2	9th	272·7	−5·6	*272·5*	37	− 64
521	Charleston	32 47	79 56	14·6	1021·2	1023·0	+ 2·2	282·7	295·8	3rd	274·4	261·9	30th	278·6	−5·2	*278·5*	27	− 47
522	Washington	38 54	77 3	34·1	1020·4	1024·7	+ 4·6	274·3	283·0	21st	267·1	253·6	30th	270·7	−4·7	*270·6*	37	− 45
523																		
524	Bermuda	32 18	64 46	46·0	1010·4	1015·9	− 2·9	293·3	296·3	6th	288·1	284·6	24th	290·7	−0·5	*290·4*	174	+ 63
530	Santa Cruz (Flores)	39 27	31 9	28	1023·0	1026·0	+ 6·4	290·5	293·0	5th	287·1	285·2	22nd	288·8	+0·5	*289·0*	54	−143
531	Horta	38 32	28 38	65	1017·1	1024·3	+ 4·8	289·2	292·8	5th	286·2	283·0	22nd	287·7	−0·3	288·1	59	− 88
532	Ponta Delgada	37 44	25 40	22	1021·3	1023·1	+ 2·4	289·4	292·5	6th	286·0	282·6	31st	287·7	−0·7	287·7	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	106	− 39
533	Madeira (Funchal)	32 37	16 54	25	1015·0	1018·0	− 2·9	291·2	294·1	1st	285·7	283·0	23rd	288·5	−1·1	*288·3*	96	− 8
534																		
535	Lisbon	38 43	9 9	95	1005·8	1017·5	− 2·7	284·9	288·1	13th	278·9	274·1	31st	281·9	−2·0	*281·8*	32	− 72
536	Gibraltar	36 6	5 21	16·2	1013·7	1015·8	− 4·3	286·8	291·3	1st	280·9	275·2	29th, 30th	283·8	−2·5	*284·1*	253	+111
536a	Melilla	35 18	2 59	8	‡1014·1	‡1015·1	− 4·5	287·4	292·0	4th	279·4	275·2	29th	283·4	−5·5	*284·1*	72	+ 17
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

DECEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean. *	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 38	23	1010·7	1013·5	− 3·9	285·6	289·4	2nd, 4th	277·8	270·0	27th	281·7	−3·2	..	218	+163
538	Algiers (Bouzaréah)	36 48	3 2	344	974·1	1015·5	− 3·7	283·7	287·7	3rd	278·5	270·8	28th	281·1	−3·3	280·7	195	+100
539	Tunis	36 48	10 10	33	‡1010·2	‡1014·2	− 2·8	287·0	291·4	19th	278·7	272·0	29, 30, 31	282·9	−1·7	*282·5*	15	− 49
539a	Malta	35 53	14 31	56·4	..	1016·7	− 0·7	288·1	292·0	1st	283·4	278·1	6th	285·7	−1·2	*285·2*	59	− 27
540	Riposto	37 41	15 14	14·2	..	1017·6	− 0·1	287·6	289·9	2nd	281·8	278·0	6th	284·7	−1·9	*283·5*	81	− 13
541	Athens	37 58	23 43	107	1004·7	1017·8	+ 1·2	285·3	291·2	1st, 3rd	277·5	269·0	9th	281·4	−1·3	282·1	140	+ 77
542	Alexandria	31 12	29 53	32·0	1013·2	1017·1	− 1·3	292·7	299·0	3rd	284·2	281·2	9th	288·5	−0·4	*288·4*	65	− 2
543	Cairo (Helwan)	29 52	31 20	116	1003·4	1017·4	− 1·4	293·0	300·3	3rd	282·1	277·7	9th	287·6	−0·2	287·3	4	0
544	Nicosia (P.W.D.)	35 9	33 22	159	997·9	1017·0	− 0·9	288·4	295·8	1st	?279·2	?274·1	9, 10, 12	?283·8	−0·3	..	75	− 2
544a	Beirut	33 54	35 28	33·7	..	1017·9	+ 1·0	290·3	295·8	4th	285·6	281·4	11th	287·9	−0·8	*287·7*	215	+ 20
545	Baghdad	33 21	44 28	38·7	..	1021·1	+ 0·5	288·3	296·4	7th	277·1	269·3	14th	282·7	−1·9	*283·7*	46	+ 16
546	Busrah	30 31	47 53	7·6	1019·4	1020·6	− 1·7	290·8	298·5	7th	278·7	272·3	13th	284·7	−1·8	..	36	+ 15
546a	Lenkoran	38 46	48 51	−19·3	1025·2	1022·9	+ 0·5	..	290·0	1st	276·9	271·6	17th	..	0·0	*279·4*	58	− 41
547	Teheran	35 41	51 25	1220	..	..	..	282·8	289·7	7th	273·1	267·2	31st	277·9	−0·8	*277·4*	11	− 22
548	Meshed	36 16	59 35	946	..	..	..	283·8	291·6	11th	267·9	260·2	30th	275·9	−1·7	..	13	− 5
549	Seistan	31 0	61 30	?	..	..	..	288·9	294·7	15th	272·9	261·8	31st	280·9	..	..	5	..
550	Quetta	30 11	67 3	1677	835·2	..	− 1·6	283·7	289·4	14th	269·8	262·3	30th, 31st	276·7	−2·4	*276·2*	26	+ 3
551	Peshawar	34 2	71 37	339	979·1	1020·3	− 1·6	289·9	294·7	4th	277·2	274·3	21st	283·6	−1·2	*282·4*	30	+ 17
551a	Lahore	31 34	74 20	214	991·8	1017·8	− 1·8	294·0	297·9	1st	279·4	275·7	22nd	286·7	−0·1	*285·5*	2	− 8
552	Simla	31 7	77 8	2205	781·3	..	− 1·4	282·7	287·1	2nd	277·1	271·6	20th	279·9	−0·1	*279·4*	13	− 18
552a	Leh	34 10	77 42	3503	665·6	..	− 1·2	274·4	280·8	1st	262·3	258·2	17th	268·3	−0·5	*267·2*	1	− 4
559	Hankow	30 35	114 17	37·0	1023·8	1028·4	0·0	282·4	290·5	10th	273·7	266·2	30th	278·1	−1·0	*278·0*	2	− 19
560	Tientsin	39 10	117 10	5·0	1026·5	1027·1	− 1·1	272·2	280·7	7th	265·7	259·5	25th	268·9	−1·7	*268·8*	2	− 1
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1025·8	− 0·3	280·8	289·6	2nd	271·5	262·8	30th	276·1	−3·2	275·4	19	− 12
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1013·2	1022·0	− 2·6	272·1	282·7	2nd	264·8	255·1	27th	268·4	−4·1	268·0	20	− 3
562a	Nagasaki	32 44	129 52	133	1003·5	1020·0	− 2·0	281·1	289·6	2nd	275·2	269·8	27th	278·1	−3·0	277·8	57	− 29
563	Kioto	35 1	135 44	42·9	1010·7	1016·1	− 3·0	282·2	290·1	3rd	271·0	263·6	27th	276·6	−1·4	275·9	17	− 34
564	Tokio	35 41	139 45	21·3	1008·4	1011·0	− 5·4	283·4	288·0	3rd	271·8	266·4	27th	277·6	−1·2	277·0	4	− 51
565	Kanayama	37 53	140 46	24·6	1006·9	1009·9	− 6·1	280·2	286·7	10th	271·2	266·4	31st	275·7	−0·2	275·8	28	− 34
566	Miyako	39 38	141 59	30·4	1004·3	1008·0	− 6·2	282·9	289·7	3rd	271·4	267·9	17th, 26th	277·1	+0·9	276·1	22	− 41
		N.	E.															

DECEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean. *	Precipitation. Total.	Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1012·8	1014·1	− 2·2	298·7	300·8	..	293·3	291·3	..	296·0	+0·6	*296·1*	118	+ 4
614	La Paz	24 10	110 20	10	1014·3	1015·5	..	..	304·0	7th	..	285·8	22nd	..	..	‡*294·7*	0	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	823·9	..	+ 2·2	..	299·3	7th	..	274·0	21st	..	+0·4	*286·8*	0	− 11
616a	Monterry	25 40	100 19	535	957·4	1019·5	..	..	306·4	7th	..	271·8	30th	..	..	*288·2*	1	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	293·0	..	..	270·0	..	..	−0·6	284·4	0	− 14
618	Galveston	29 18	94 50	16·5	1020·1	1022·0	+ 1·8	287·7	295·8	3rd	281·4	269·7	30th	284·6	−1·7	*284·8*	25	− 73
618a	New Orleans	29 58	90 4	16·2	..	1022·3	+ 2·1	288·2	298·6	3rd	279·4	265·8	30th	283·8	−2·1	*283·3*	55	− 65
619	Merida, Yuc	20 58	89 41	22	1015·8	1018·4	..	..	301·6	16th	..	287·2	11th	..	..	‡*294·1*	7	..
620	Havana	23 8	82 21	24·3	..	1018·9	+ 1·1	296·4	301·2	8th	290·2	286·5	31st	293·3	−1·7	*293·4*	117	+ 55
620a	Key West	24 33	81 48	6·7	1018·4	1018·9	+ 0·2	294·7	299·1	8th	289·4	281·3	31st	292·1	−2·7	*291·4*	4	− 41
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·5	− 0·4	296·4	298·6	13th, 14th	292·1	288·6	31st	294·3	−1·4	*294·2*	43	+ 5
622	Watling Island	24 6	74 26	33·5	1012·9	1016·8	− 0·5	..	300·8	8th	..	293·0	31st	..	..	*296·3*	..	..
633	Izaña	28 19	16 30	2367	763·9	..	..	275·4	279·9	16th	270·2	267·2	7th, 27th	272·8	..	*272·8*	60	..
634	La Laguna	28 28	16 20	547	952·6	1016·5	− 4·3	288·0	291·5	2nd	282·9	277·3	24th	285·4	−0·9	*284·9*	192	+ 66
637	Insalah	27 8	W 2 27	?280	..	..	..	294·3	..	..	276·8	272·5	23rd, 28th	285·6	−1·7	*286·7*	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1003·8	1015·7	− 1·3	298·0	305·4	2nd	284·0	279·4	25th	291·0	+0·1	*289·8*	..	..
644	Tor	28 14	33 37	1·9	1015·2	1015·4	− 1·6	294·6	299·4	4th	282·9	279·0	27th	288·7	−0·2	*288·2*	..	..
647	Bushire	28 59	50 53	4·3	1017·5	1018·0	− 1·8	292·2	296·7	11th	284·1	281·6	26th	288·1	−1·4	*287·7*	62	− 21
648	Jask	25 44	57 47	4·0	1017·5	1017·9	− 0·5	297·4	300·6	2nd	287·8	283·6	19th	292·6	−1·9	*292·2*	61	+ 29
649	Robat	29 45	60 55	?	912·8	..	..	289·7	295·2	4th	273·7	265·9	31st	281·7	..	..	13	..
649a	Karachi	24 53	66 57	4·0	1017·0	1017·5	− 1·0	298·2	300·9	2nd	287·7	282·5	30th	292·9	−0·6	*292·5*	0	− 3
650	Hyderabad, Sind	25 24	68 18	29·3	1014·0	1017·4	− 1·2	297·7	302·4	1st	283·3	279·3	30th	290·5	−1·2	*290·1*	4	+ 2
650a	Jacobabad	28 17	68 29	56·7	1011·4	1018·3	− 1·0	296·2	299·8	1st	279·3	275·7	31st	287·8	−1·1	*287·0*	1	− 2
651	Jaipur	26 56	75 52	436	967·0	1018·1	− 1·6	297·9	301·6	2nd	282·4	278·1	21st	290·1	−0·3	*289·1*	0	− 6
652	Nagpur	21 8	79 5	310	980·0	1015·9	− 2·0	301·0	302·8	17th	286·1	281·9	24th	293·5	+0·5	*293·1*	0	− 14
653	Allahabad	25 25	81 51	94·1	1005·5	1016·8	− 1·9	296·8	299·6	3rd	282·1	279·1	22nd	289·4	−0·1	*288·3*	10	+ 3
653a	Darjiling	27 3	88 18	2266	776·0	..	− 1·8	283·2	286·1	1st, 9th	275·8	274·3	30th	279·5	+0·4	*279·0*	0	− 6
654	Calcutta	22 36	88 23	6·4	1014·6	1015·4	− 2·0	297·7	299·7	1st, 11th	286·2	283·4	24th	292·0	−0·1	*291·4*	0	− 5
655	Gauhati	26 8	91 41	59·7	1009·8	1016·9	− 1·5	297·2	298·9	1st	284·4	282·6	24th	290·8	+0·4	*290·1*	0	− 2
655m	Cherrapunji	25 15	91 42	1314	869·6	..	− 1·4	289·8	292·0	9th	281·4	279·1	17th	285·6	−0·1	*284·9*	0	− 6
655a	Akyab	20 11	92 56	6·1	1012·4	1013·0	− 2·5	299·4	301·7	8th	289·9	285·7	13th	294·7	−0·7	*294·0*	4	− 14
656	Mandalay	21 59	96 0	76·2	1006·7	1015·7	?− 1·2	301·8	303·8	4th	287·7	285·5	14th, 22nd	294·7	−0·1	*294·0*	1	− 8
656a	Tengyueh	24 59	98 35	1633	834·6	..	..	289·7	292·4	14th	273·0	268·6	31st	281·3	..	*280·3*	0	..
657	Phu Lien	20 48	106 37	116	1004·6	1018·5	− 1·4	293·7	300·0	2nd	287·2	282·8	8th	290·4	−0·8	*289·8*	11	− 18
658	Moncay	21 31	107 51	9	1018·2	1019·3	− 0·6	292·8	298·9	2nd	284·3	277·8	8th	288·6	−1·7	*287·8*	39	+ 8
659	Hong Kong	22 18	114 10	33·2	..	1019·0	− 0·9	290·6	295·1	1st	285·9	281·3	31st	288·3	−1·9	288·1	29	0
660	Amoy	24 27	118 4	ca.3	1021·1	1021·5	− 0·7	291·1	296·9	1st	283·8	278·0	31st	287·4	−2·2	*287·2*	33	− 2
661	Taihoku, Formosa	25 2	121 31	9·3	1019·7	1020·8	+ 0·2	290·9	299·4	12th	283·5	276·3	27th	287·2	−2·8	287·0	49	− 33
661a	Santo Domingo	20 28	121 59	18·7	..	1011·9	− 2·3	295·9	301·4	13th	292·1	287·8	30th	294·0	−1·9	*294·0*	536	+132
662	Naha	26 13	127 41	10·5	1017·5	1018·8	− 1·1	292·1	298·9	13th	285·3	281·0	30th	288·7	−1·9	288·7	68	− 37
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1014·0	1014·5	− 2·7	293·7	299·0	7th	289·0	283·8	14th	291·3	−1·3	291·2	211	+ 81
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

DECEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	Diff. from Normal.	†24 hr. Mean. *	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 14	103 47	507	958·3	1015·4	..	..	306·6	12th	..	286·6	11th	..	..	*297·6*	1	..
716	Morelia	19 42	101 12	1939	810·2	..	..	..	298·0	14th	..	274·5	22nd	..	..	*286·4*	0	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·1	1015·9	+ 0·9	293·1	295·8	15th	275·8	272·2	22nd	284·4	−0·7	284·5	0	− 6
718	Oaxaca	17 3	96 45	1563	848·4	..	+ 0·5	..	302·1	7th	..	276·0	25th	..	..	*288·9*	0	− 4
718a	Salina Cruz	16 12	95 12	56·3	1008·2	1014·6	..	301·1	303·7	15th	294·1	289·9	24th	297·6	..	*297·1*	0	..
719	San Salvador	13 42	89 12	‡665	938·9	1014·0	+ 2·3	305·4	309·6	4th	286·1	283·2	24th	295·7	−0·5	*293·6*	0	− 12
720	Belize	17 29	88 12	5·2	1017·6	1018·1	+ 2·3	299·3	301·3	6th	290·6	285·2	31st	294·9	−1·9	*294·3*	69	−124
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·0	0·0	301·6	302·9	12th	293·1	289·9	27th	297·3	−1·0	*296·6*	23	− 31
722	Port au Prince	18 34	72 22	37·4	1009·8	1014·1	− 0·4	302·6	304·9	9th	293·1	290·7	27th	297·9	−0·6	297·1	37	− 4
723	Caracas	10 30	66 55	‡1010	899·8	..	− 0·2	295·6	299·1	3rd	285·8	283·6	3, 14, 17	290·7	−1·8	*289·8*	102	+ 54
724	Montserrat	16 41	62 9	39·6	1008·5	1013·1	− 1·5	302·1	304·7	21st	294·1	290·8	19th	298·1	..	*297·6*	67	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	993·2	1011·1	− 1·0	301·4	303·0	13, 20, 23	295·1	294·1	sev. dates	298·2	−0·4	*297·6*	180	− 8
725	Barbados	13 8	59 36	55·2	..	1012·0	− 1·2	301·7	303·2	20th	294·3	292·4	14th	298·0	−0·1	*297·2*	133	+ 38
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1011·7	1013·0	− 1·6	297·7	300·0	2nd	293·1	291·0	12th	295·4	−0·3	*295·9*	1	− 6
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1008·5	1013·1	− 1·4	298·5	301·1	4th	294·2	291·2	12th	296·3	−0·4	*296·4*	0	− 8
733	Bathurst	13 24	16 36	1·5	..	1013·4	+ 0·6	299·3	305·2	4th	..	..	..	..	−0·2	*297·9*	0	− 3
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	..	311·3	..	..	286·9	..	299·1	+0·9	..	0	− 1
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	302·7	307·6	5th	288·3	283·6	22nd	295·5	+0·6	*295·2*	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	..	..	..	290·6	287·4	8th	..	..	‡*299·2*	0	0
738	Kaduna Capital	10 32	7 25	637	942·6	1014·0	− 1·2	304·7	307·4	29th, 30th	287·7	285·2	6th	296·2	0·0	*295·7*	0	− 3
739	Katagum	12 17	10 22	30·7	..	..	..	306·2	310·8	27, 29, 31	286·1	284·1	6, 9, 14	296·2	+1·2	*295·8*	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	307·4	311·9	29th	288·1	286·3	16th	297·7	+1·5	*297·3*	0	0
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	0	..
743	El Obeid	13 11	30 14	569	946·3	1010·6	− 2·3	303·2	304·3	1st	283·9	279·7	22nd	293·5	+0·6	*294·0*	0	0
743a	Khartoum	15 37	32 33	390	966·6	1011·1	− 1·0	304·0	309·4	17th	289·0	284·4	22nd	296·5	+0·2	*296·7*	0	0
744	Port Sudan	19 37	37 13	5·9	1012·3	1013·0	− 1·2	301·5	305·5	18th	293·4	289·3	23rd	297·5	−0·4	*297·0*	0	− 17
745	Berbera, Somaliland	10 22	45 2	9·2	1014·9	1016·0	+ 0·5	303·4	305·8	5th, 12th	293·3	290·8	6, 9, 10	298·3	+0·3	*298·4*	0	− 2
746	Aden	12 45	45 3	28·7	1011·7	1014·8	− 1·7	299·8	301·3	1st	295·3	292·9	21st	297·6	−0·6	*297·2*	2	− 2
751	Bombay	18 54	72 49	11·3	1012·7	1014·0	− 1·4	301·3	303·7	1st	293·4	290·1	31st	297·3	−0·8	*296·8*	0	− 2
751a	Cochin	10 58	76 21	2·7	1011·3	1011·6	− 1·5	304·1	305·6	16th	295·4	293·0	18th	299·7	−0·3	*299·3*	57	+ 16
752	Kodaikanal	10 14	77 28	2343	770·3	..	− 1·6	289·8	293·8	31st	280·9	278·4	27th	285·4	−0·4	*285·4*	21	− 83
752a	Bangalore	12 59	77 38	920	911·6	1013·3	− 1·7	299·7	302·1	31st	287·2	284·0	27th	293·5	+0·3	*293·1*	2	− 11
753	Madras	13 4	80 14	6·7	1012·0	1012·7	− 2·3	301·1	302·6	13th	293·6	290·6	30th	297·3	−0·4	*296·9*	154	− 5
754	Waltair	17 45	83 16	68·9	1006·3	1014·3	− 2·3	299·6	301·6	27th	292·4	288·3	25th	296·0	−0·6	*295·6*	20	− 6
755	Port Blair	11 40	92 40	17·7	1009·0	1010·9	− 2·0	302·3	304·1	8th	296·9	294·8	12th	299·6	−0·7	*299·2*	262	+ 89
756	Rangoon	16 46	95 48	5·5	1012·3	1013·0	− 1·9	303·8	306·3	5th	293·0	288·6	10th	298·4	+0·3	*297·5*	24	+ 20
757	Saigon	10 47	106 42	11·2	1008·7	1010·0	− 1·1	302·9	305·1	2nd	293·6	289·3	10th	298·3	−0·4	*297·7*	29	− 33
758	Nhatrang	12 15	109 12	3·6	1011·9	1012·3	− 1·1	299·6	302·5	3rd	293·7	289·6	9th	296·7	−1·1	*296·3*	97	− 95
759	Bolinao	16 24	119 53	9·7	..	1007·5	− 2·5	304·7	306·5	13th	295·7	292·1	28th	300·2	+0·1	*299·6*	1	− 11
761	Vigan	17 34	120 23	12·2	..	1009·0	− 1·9	303·2	305·8	4th	294·6	292·6	8th, 27th	298·9	−0·6	298·6	0	− 7
761a	Manila	14 35	120 59	14·2	..	1009·1	− 2·3	302·7	305·1	3rd	294·7	292·0	31st	298·7	−0·3	297·8	76	+ 13
762	Ormoc	11 0	124 36	5·6	..	1007·5	− 1·6	304·4	306·0	20th	294·9	292·4	14th	299·7	+0·1	298·6	110	− 84
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1008·0	− 0·8	301·6	302·6	10th	296·8	294·6	30th	299·2	−0·2	*299·4*	121	− 8
		N.	E.															

DECEMBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	Diff. from Normal.	†24 hr. Mean. *	Precipitation. Total.	Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	304·2	305·2	1, 17, 21	296·9	296·1	6th	300·6	−0·1	*299·4*	31	−193
821	Colon	9 23	79 23	11·0	..	1011·9	+ 1·2	300·4	301·9	12th	296·2	293·6	30th	298·3	−1·1	*297·9*	296	− 1
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	84	+ 11
822a	Merida, Venez	8 36	71 9	1641	‡ 841·4	..	..	295·2	296·2	20th	287·0	285·0	18th	291·1	..	*290·3*	118	..
824	El Peru, Guayanavieja	7 30	62 0	220	983·7	1008·8	− 1·0	301·1	302·6	3rd	293·8	292·3	14th	297·4	−0·3	*296·9*	56	− 50
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1011·8	0·0	302·3	303·0	18th	296·2	294·1	17th	299·2	−0·3	*298·6*	325	+ 41
826	Paramaribo	5 49	55 9	3·7	..	..	..	302·2	305·0	4th	‡292·4	‡290·5	30th	‡297·3	−0·3	*297·5*	122	−100
826a	Cayenne	4 56	52 21	6	..	..	..	303·2	304·6	6th, 8th	294·2	293·0	17th	298·7	−1·2	*298·1*	525	+253
833	Conakry	9 31	13 43	16	1008·5	1010·3	− 0·7	302·1	303·5	25th	296·5	294·0	6th	299·3	−0·9	*298·9*	121	+1
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·1	1012·0	+ 0·9	303·9	305·8	3rd	296·4	294·1	7, 8, 10	300·2	−0·3	*299·2*	50	+ 12
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	0	− 28
836	Accra	5 33	W 0 12	25·7	..	..	..	304·1	..	..	298·5	..	..	301·3	+1·6	*300·9*	18	− 1
837	Lagos	6 27	E 3 24	1·8	1010·2	1010·4	− 1·8	304·1	304·7	..	296·6	293·6	..	300·3	−0·1	*299·8*	41	+ 20
838	Zungeru	9 48	6 10	130	..	..	..	308·3	311·3	25th	291·7	286·3	5th, 6th	300·0	+0·8	*299·5*	0	− 2
838a	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
839	Yola	9 12	12 30	259	..	..	..	308·6	311·3	23, 29, 31	292·3	288·6	27th	300·5	+1·1	*300·0*	0	0
841	Wau	7 42	28 3	440	958·3	1007·8	− 1·6	308·2	310·5	4th	289·4	287·0	23, 24, 26	298·8	−0·4	*297·4*	0	0
843	Mongalla	5 11	31 47	439	958·4	1007·5	− 0·6	308·1	310·5	6, 9, 19	292·6	289·0	2nd	300·3	−0·1	*299·1*	0	− 8
843a	Malakal (Kodok)	9 35	31 37	394	964·1	1008·7	− 1·0	307·8	310·6	18th	289·1	286·1	7th	298·5	..	*297·0*	0	0
844	Entebbe	0 5	32 29	1171	884·5	..	+ 0·9	300·1	301·9	26th	290·7	290·2	19, 17, 30	295·4	+0·7	*294·7*	27	−102
845	Harrar	9 42	42 30	1856	..	..	..	299·1	301·0	sev. dates	285·4	283·0	1, 2, 3	292·2	−0·3	..	12	+ 2
851	Minicoy	8 17	72 49	2·1	1012·1	1012·3	− 0·4	..	..	..	..	..	..	..	..	..	78	+ 1
852	Colombo Observatory	6 54	79 53	7·3	1008·9	1009·7	0·0	302·1	303·4	24th	294·6	291·0	29th	298·3	−1·2	*297·9*	109	− 31
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	293·3	295·6	8th	281·3	275·5	28th	287·3	0·0	*286·5*	92	−133
854	Trincomalee	8 34	81 14	30·2	1006·4	1009·9	− 0·9	300·8	303·9	6th	295·7	293·1	30th	298·2	−0·7	*297·8*	268	− 89
855	Kota Radja	5 32	95 20	7·1	..	1009·0	− 2·5	..	..	..	..	..	..	..	..	..	199	− 25
856	Medan	3 35	98 41	25·0	..	1009·1	− 2·2	301·3	306·1	26th	293·4	292·1	9th	297·3	..	296·4	201	− 36
857	Penang	5 34	100 20	5·0	1007·8	1008·4	− 2·0	303·2	305·2	26th	294·6	293·6	8th, 22nd	298·9	−1·2	*298·3*	100	− 26
858	Singapore	1 17	103 51	3	1008·2	1008·5	− 1·6	302·7	304·7	1st, 14th	295·8	294·4	28th	299·2	−0·4	*298·7*	281	+ 13
859	Sandakan	5 50	118 7	31·7	..	..	..	303·7	305·2	2nd	296·2	295·2	30th	299·9	+0·2	*299·4*	228	−221
860	Iwahig	9 44	118 38	4·3	..	1006·0	− 2·1	303·1	305·9	15th	294·3	292·7	15th	298·7	..	*298·1*	360	..
861	Tagbilaran	9 38	123 51	21·3	..	1007·1	− 1·7	303·8	305·3	21st	295·2	293·9	4th	299·5	−0·6	298·5	219	+ 67
861a	Menado	1 30	124 50	8·5	..	1007·6	− 0·8	301·8	303·7	28th	295·3	295·3	31st	298·5	..	297·9	414	+ 46
862	Surigao	9 48	125 29	6	..	1007·3	− 1·6	302·8	305·0	9th	296·1	295·0	10th	299·5	0·0	298·8	331	−190
863	Yap	9 29	138 8	31·9	..	1006·4	− 0·7	305·9	307·7	16th	296·9	295·5	24th	301·4	+0·3	*300·2*	238	+ 38
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

DECEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature Diff. from Normal.	Temperature †24 hr. Mean. *	Precipitation Total.	Precipitation Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·8	1011·7	+ 2·0	303·8	304·7	sev. dates	295·8	294·7	2nd	299·8	−1·1	*299·1*	4	− 15
924	Manaos	3 8	60 1	43·8	..	..	..	304·0	307·2	8th	295·5	293·4	5th	299·7	−1·4	*298·7*	270	+ 65
926	Taperinha	2 30	54 42	20·0	1007·4	1009·7	..	301·8	304·5	4th	294·8	293·4	20th	298·3	..	*297·4*	133	+113
927	Turyassu	1 43	45 27	15·1	1007·4	1009·1	− 1·1	305·4	307·2	6th	294·6	292·7	14th	300·0	−1·1	*298·9*	171	− 21
928	Barra do Corda	5 31	45 16	81·0	999·3	1008·7	− 0·7	303·7	306·4	1st	293·8	292·4	21st	298·7	−1·5	*297·5*	100	+ 50
929	Quixeramobim	5 16	39 15	207	986·3	1009·7	− 1·1	306·4	308·2	5th	298·2	296·5	19th	302·3	−0·2	*301·3*	80	+ 7
930	Fernando Noronha	3 50	W32 55	106	998·6	1010·9	− 1·1	301·2	302·1	9th	297·1	295·3	14th	299·1	..	*298·4*	22	..
939	Loanda	8 49	E 13 13	59·3	..	1010·9	+ 0·1	298·6	301·0	31st	295·1	294·0	3, 18, 20	296·9	−1·3	296·6	0	− 18
940	Brazzaville	4 17	15 16	290	977·0	1010·0	− 1·6	302·9	305·8	30th	292·8	290·5	13th	297·8	−0·8	*297·1*	66	− 86
943	Masaka	0 21	31 47	?1280	..	..	..	298·8	300·2	5, 23, 31	287·7	284·7	25th	293·3	+0·3	*292·9*	19	− 65
944	Nairobi	1 14	36 44	1800	..	..	..	298·0	299·7	25th	..	..	..	..	+0·2	‡*290·9*	27	− 38
944*a*	Zanzibar	6 10	39 11	21·9	1010·2	1012·6	− 0·8	302·9	304·3	20th	299·3	298·4	28th	301·1	+0·2	*300·6*	11	− 130
945	Lamu	2 16	40 50	3·1	..	..	..	305·2	305·8	1st	296·9	294·7	13th	301·1	+0·8	*300·6*	0	− 24
947	Seychelles, Port Office	4 37	55 27	4·6	1010·4	1010·9	− 0·6	300·7	302·3	8th	297·8	296·2	24th	299·3	−0·1	*298·8*	306	− 41
957	Padang	0 56	100 22	6·7	..	1010·0	− 1·3	302·6	304·9	25th	295·9	294·7	14th	299·3	..	298·6	499	+ 5
958	Batavia	6 11	106 50	8·0	1007·7	1008·6	− 1·0	301·4	303·8	5th	295·7	294·4	31st	298·5	−0·8	298·0	212	+ 2
958*a*	Pontianak	0 1	109 20	2·6	..	1008·9	− 1·5	302·1	304·6	24th	295·6	294·1	27th	298·9	..	298·0	215	− 140
959	Passeroean	7 38	112 55	5·0	..	1007·7	− 1·3	302·8	304·0	17th	296·0	294·7	3rd	299·4	−1·2	298·6	247	+ 86
960	Kajoemas	7 56	114 9	1060	..	..	..	294·9	296·7	20th	290·6	290·2	22nd	292·7	..	292·2	680	+292
962	Ambon	3 42	128 10	4·2	..	1007·5	− 1·0	303·6	306·1	4th	296·9	295·2	28th	300·3	+0·5	299·7	104	− 36
963	Manokwari	0 52	134 20	19·c	..	1006·5	− 1·8	302·6	303·8	29th	296·3	294·7	16th	299·5	..	298·9	219	− 70
965	Daru	9 4	143 13	7·6	..	1007·4	− 1·5	303·6	..	..	..	..	..	..	−1·0	‡*300·2*	..	..
966	Port Moresby	9 29	147 9	39·0	..	1006·2	− 2·4	303·9	..	..	296·6	..	..	300·2	−1·1	*299·7*	442	+348
967																		
968	Rendova	8 30	157 12	1·8	1006·5	1006·7	− 0·1	..	..	..	..	..	..	..	..	..	255	− 46
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·2	1007·4	+ 0·3	305·6	307·4	4th, 9th	297·3	296·2	8th	301·4	+0·4	*301·2*	237	− 30
970	Ocean Island	0 52 S.	169 35 E.	**	..	1006·3	− 0·7	304·1	305·2	18th	297·3	295·2	3rd, 25th	300·7	−0·4	*300·0*	97	− 107

DECEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature Diff. from Normal.	Temperature †24 hr. Mean. *	Precipitation Total.	Precipitation Diff. from Normal.
1002	Apia, Samoa	13 48 S.	171 46 W.	2	..	1009·1	+ 1·3	301·2	303·1	11th	296·1	294·6	13th	298·6	−0·8	298·2	519	+153
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·4	305·8	13th, 30th	295·8	293·6	1st, 15th	299·1	..	*298·9*	234	− 13
1007	Makatea	15 47	148 14	47	1007·8	1013·2	..	306·1	307·6	15th	295·0	294·0	5th, 14th	300·6	+0·5	*299·9*	153	−213
1021	Arequipa	16 22	71 33	2451	760·6	..	+ 0·1	291·4	294·1	1st	280·8	278·4	11th	286·1	−1·6	*285·5*	19	+ 16
1022	Puerto de Arica	18 28	70 20	5	..	..	..	295·4	296·4	31st	289·5	288·4	sev. dates	292·5	+0·9	*294·2*	0	0
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	728·9	..	..	291·4	296·5	23rd	281·8	279·0	13th	286·6	..	*286·7*	79	− 32
1025	Corumba	19 0	57 39	116	993·8	1007·1	..	307·3	312·5	25th	294·3	290·4	13th	300·8	..	..	126	− 64
1026	Cuyaba	15 36	56 6	165	988·2	1007·0	− 1·4	303·4	306·9	22nd	297·4	295·4	22nd	300·4	−0·1	*300·2*	194	− 4
1027	Bello Horizonte	19 55	43 55	857	915·9	1011·3	− 0·5	298·9	302·5	10th	290·2	286·2	15th	294·5	0·0	*294·1*	287	+ 3
1028	Caetite	14 2	42 39	900	913·5	1013·3	− 0·1	298·3	301·6	7th	290·9	288·5	14th	294·6	−0·9	*294·9*	280	+130
1029	Ondina (Bahia)	13 0	38 30	46·6	1005·1	1010·5	− 1·6	302·7	304·0	7th	295·6	294·4	6th	299·1	0·0	*298·5*	77	− 37
1030	Aracaju	10 55	37 3	4·0	1010·6	1011·0	− 1·7	302·3	303·8	31st	295·9	295·0	19th	299·1	+0·1	*299·7*	48	− 23
1035	St. Helena	15 57	W 5 40	632	944·6	1016·2	− 0·7	294·4	296·9	17th	286·2	284·9	1st	290·3	+0·5	*289·9*	19	− 35
1042	Gwelo	19 27	E 29 49	1417	858·5	..	− 2·2	297·3	303·6	8th	287·7	284·1	14, 15, 16	292·5	−1·9	..	284	+130
1043	Salisbury, Rhodesia	17 48	31 5	1457	853·5	..	− 2·6	298·2	301·9	29, 30, 31	286·6	283·0	14th	292·4	−1·4	..	217	+ 70
1044	Zomba	15 23	35 18	‡945	904·2	1008·2	− 1·9	300·9	304·7	20th	291·1	288·6	21st	296·0	+0·3	*295·4*	168	−104
1045	Tananarivo	18 55	47 32	1400	862·6	..	− 0·9	297·6	301·4	3rd	288·5	285·5	8th	293·1	−1·0	*291·7*	522	+234
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1007·4	1008·0	− 3·0	302·1	304·1	4th, 5th	297·1	295·5	18th	299·6	−0·4	*299·2*	167	+ 55
1056																		
1057	Christmas Island	10 25	105 43	5·5	1005·4	1006·0	− 2·1	302·3	304·1	..	296·2	294·7	..	299·3	−0·9	*298·6*	538	+335
1058																		
1061	Koepang	10 10	123 34	45·1	..	1007·1	− 1·2	302·8	305·1	7th	296·7	295·5	30th	299·7	..	299·3	460	+207
1061*a*	Derby	17 18	123 40	16·2	1004·0	1005·9	− 1·6	306·7	311·3	9th	298·4	294·1	6th	302·6	−1·2	..	190	+ 70
1062	Hall's Creek	18 13	127 46	374	964·5	1005·4	− 1·7	308·3	314·1	1st	296·4	293·6	26th	302·4	−1·3	*301·8*	103	+ 17
1063	Port Darwin	12 28	130 51	29·6	1002·2	1005·4	− 1·3	304·7	308·0	1st, 4th	297·4	295·2	6th, 16th	301·1	−1·5	*299·9*	483	+219
1064	Daly Waters	16 16	133 23	211	980·3	1003·3	− 2·5	310·2	314·1	28th	297·2	294·7	20th, 23rd	303·7	−0·5	*303·1*	53	− 48
1065	Mein	13 13	142 47	122	991·7	1005·3	− 1·1	304·8	308·8	27th	295·5	293·0	2nd, 6th	300·2	−1·3	*299·6*	308	+ 36
1066	Georgetown, Queensland	18 22	143 32	302	973·4	1006·9	− 1·0	306·4	311·3	27th	294·9	291·9	6th	300·7	−1·1	..	189	
1067	Samarai	10 37	150 40	15·2	..	1007·3	− 1·4	303·7	..	..	297·6	..	..	300·6	+0·2	*300·4*	201	+ 85
1072	Suva, Fiji	18 8 S. ° ′	178 26 E. ° ′	16·8 metres.	1006·2 mb.	1008·1 mb.	− 1·7 mb.	302·6 a.	304·1 a.	28th	295·5 a.	292·8 a.	3rd, 4th	299·1 a.	0·0 a.	*298·9* a.	341 mm.	+ 33 mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 111 and 112.
** Height changed from 25·6 m. to 20·0 m. from December 21st.

DECEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	301·2	303·0	19th	295·8	293·6	14th, 17th	298·5	+0·6	*298·3*	268	+ 90
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·3	1015·5	+ 0·8	292·0	295·0	20th	286·5	284·2	12th	289·3	+0·4	*289·1*	0	0
1122	Iquique	20 12	70 11	9	1013·8	1014·9	+ 0·7	295·0	297·0	2nd, 7th	287·3	285·4	19th	291·1	−1·0	*292·1*	0	0
1123	Catamarca	28 27	65 47	529	..	1004·7	− 1·3	399·7	321·1	30th	293·7	287·0	9th	301·7	+1·2	301·0	15	− 24
1124	Salta	24 46	65 28	1178	879·0	1006·0	− 1·5	302·5	308·0	23rd	287·4	283·1	4th	294·9	+1·3	296·1	81	− 26
1125	Goya	29 9	59 15	26	..	1007·6	− 1·7	308·5	315·5	30th	293·2	289·5	3rd	300·9	+3·3	301·0	81	− 34
1126	Asuncion	25 21	57 37	95	‡997·9	‡1008·7	− 2·5	309·4	311·4	13th	294·4	287·3	11th	301·9	+0·8	300·3	102	− 49
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1003·6	1010·8	− 0·7	299·5	307·4	..	294·3	292·1	..	296·9	−1·0	296·6	71	− 68
1139	Windhoek	22 34	E 17 6	1665	..	..	..	300·1	303·8	19th	289·6	286·7	12th	294·9	−1·5	*294·8*	15	− 35
1140																		
1141	Kimberley	28 42	24 47	1202	878·5	..	− 1·5	304·1	308·0	4th	289·0	286·3	3rd	296·6	−0·4	296·3	64	+ 10
1142	Johannesburg	26 11	28 4	1806	821·5	..	− 1·1	294·9	299·4	5th	285·1	281·4	2nd	290·0	−1·4	*289·6*	196	+ 73
1142*a*	Pretoria	25 45	28 12	1338	867·9	..	− 0·5	297·7	301·1	15th	287·5	284·9	23rd	292·6	−2·2	*292·2*	230	+116
1143	Durban	29 52	31 3	15·2	1012·8	1014·6	− 1·2	299·1	303·0	25th	292·2	289·4	22nd	295·6	−0·3	*295·2*	209	+ 82
1144	Lorenzo Marques	25 58	32 36	59	..	1012·3	− 0·4	301·8	308·7	26th	293·1	288·9	14th	297·5	−0·7	297·2	170	+ 62
1147	Mauritius	20 6	57 33	55·2	1006·6	1013·0	− 1·0	301·8	304·6	18th	293·7	290·6	6th	297·7	−1·0	297·4	36	− 84
1159	Onslow	21 43	114 57	4·3	1004·1	1004·9	− 2·3	306·7	314·7	18th	294·1	289·8	9th	300·4	−1·3	..	0	− 3
1160	Peak Hill	25 38	118 47	588	939·7	1002·8	− 2·9	309·3	313·7	27th, 28th	294·8	288·7	20th	302·1	−0·9	..	14	− 1
1161	Nullagine	21 53	120 5	386	961·6	1003·0	− 2·7	311·7	316·9	17th	297·1	291·3	21st	304·4	−0·2	..	4	− 30
1162	Laverton	28 40	122 23	466	955·6	1006·7	− 2·8	306·8	315·2	15th	291·8	287·2	12th	299·3	−1·1	*299·1*	29	+ 11
1163	Alice Springs	23 38	133 37	587	941·4	1004·4	− 2·7	309·4	313·8	25th	293·9	286·9	2nd	301·7	+0·6	301·7	8	− 29
1164	William Creek	28 55	136 21	76·2	999·2	1007·6	− 2·5	309·2	318·6	29th	294·8	288·0	13th	302·0	+1·4	*301·6*	7	− 3
1164*a*	Boulia	22 55	139 38	146	988·7	1004·6	− 1·2	311·8	316·8	30th	295·9	292·3	2nd	303·9	−0·1	*303·9*	3	− 35
1165	Thargomindah	27 58	143 43	123	993·4	1007·0	..	308·7	316·4	30th	296·2	292·4	3rd	302·4	..	*302·0*	4	− 33
1166	Mitchell	26 32	147 52	336	..	..	..	305·1	312·3	27th	290·6	286·3	3rd	297·9	−1·3	..	70	+ 6
1167	Rockhampton	23 24	150 30	11·3	1007·9	1009·1	− 1·4	302·9	310·1	26th	293·7	288·1	20th	298·3	−1·8	*297·7*	78	− 31
1168	Brisbane	27 28	153 2	11·6	1010·8	1012·0	+ 0·1	300·9	306·5	25th	291·5	288·4	2nd	296·2	−1·5	*295·4*	132	+ 6
1169	Quitchambo	21 52	166 3	38	1003·0	1007·4	..	302·9	305·7	30.h	290·5	287·7	25th	296·7	..	..	290	+199
1170	Norfolk Island	29 5 S.	167 53 E.	15·2	1010·4	1011·8	− 1·5	296·3	300·8	28th	290·8	288·0	22nd	293·6	−0·4	*293·2*	73	− 11

DECEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
1221	Juan Fernandez	33 37 S.	78 50 W.	10	..	..	..	293·2	298·8	30th	288·0	285·0	23rd	290·6	+0·3	*290·6*	12	− 2
1221*a*	Punta Tumbes	36 37	73 6	91	‡1004·8	‡1015·8	− 0·2	291·4	295·0	15th	283·0	280·0	sev. dates	287·2	−0·1	*287·1*	2	− 9
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1010·2	1015·1	+ 0·3	294·0	298·8	28th	285·0	282·4	9th	289·5	−0·8	*289·4*	0	− 5
1222*a*	Santiago	33 27	70 42	520	953·9	1013·5	+ 0·3	301·4	304·5	20th	283·5	279·6	8th	292·5	−0·4	*291·2*	0	− 5
1223	Cordoba	31 25	64 12	423	959·4	1007·0	− 2·3	306·8	315·7	..	289·5	283·2	..	298·1	+2·3	297·6	41	− 77
1224	Bahia Blanca	38 45	62 15	25	..	1008·0	− 1·2	303·9	313·0	12th	289·3	282·0	14th	296·6	+2·3	296·9	11	− 37
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1009·0	− 3·1	302·6	309·7	19th	290·6	285·0	14th	296·6	+2·5	296·0	74	− 24
1226	Montevideo (Prado)	34 52	56 12	24·9	1007·0	1009·9	− 2·1	301·8	311·5	13th	287·7	281·4	15th	294·8	+0·9	294·8	49	− 37
1226*a*	Porto Alegre	30 2	W51 13	23·5	1007·9	1010·6	− 0·9	303·3	312·6	30th	290·7	284·9	11th	297·0	+0·2	296·2	59	− 48
1239	Cape Town	33 56	E 18 29	12·2	..	1014·0	− 0·6	298·9	307·4	9th	288·0	284·8	30th	293·5	+0·7	*292·2*	12	− 10
1240	Danger Point	34 37	19 18	19·5	..	..	..	294·7	297·4	13th	287·3	283·0	21st	291·0	..	..	11	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	299·4	307·4	27th	284·6	280·2	14th, 21st	292·0	..	..	7	− 31
1242	East London	33 2	27 53	9·8	1011·8	1012·9	− 0·6	297·2	299·7	16th, 30th	290·0	286·3	9th, 13th	293·6	+0·3	..	91	+ 9
1259	Perth (Observatory)	31 57	115 51	60·0	1003·1	1010·3	− 2·9	298·3	308·2	31st	288·2	283·7	4th	293·2	−1·3	*292·9*	50	+ 35
1260	Katanning	33 42	117 35	310	975·0	1010·4	− 2·7	299·4	309·2	13th	284·2	279·7	3rd	291·8	−1·6	..	11	− 3
1261	Coolgardie	30 57	121 10	423	960·9	1008·1	− 2·9	303·3	313·6	15th	288·4	284·1	4th, 11th	295·9	−1·4	*295·7*	26	+ 8
1262	Eucla	31 45	128 58	4·6	1009·7	1010·2	− 2·8	297·0	315·7	21st	289·9	282·9	5th	293·2	−0·4	*292·6*	35	+ 24
1263	Streaky Bay	32 48	134 13	13·1	1011·5	1013·0	− 0·7	301·5	315·2	16th	288·4	280·9	5th	295·0	+0·7	*294·2*	12	+ 2
1264	Adelaide	34 56	138 35	42·7	1007·1	1011·9	− 1·3	302·6	313·0	22nd	289·4	281·6	9th	296·0	+1·2	*295·5*	26	+ 2
1265	Melbourne	37 49	144 58	35·1	1009·0	1013·0	+ 0·5	298·6	311·3	22nd	287·4	282·3	14th	293·0	+2·1	292·3	73	+ 14
1266	Bourke	30 13	145 58	110	999·4	1011·8	+ 1·2	308·2	317·4	30th	291·2	286·9	14th	299·7	−1·5	..	59	+ 28
1267	Sydney	33 52	151 12	44·5	1007·6	1012·9	+ 0·9	298·2	310·8	23rd	290·5	287·6	11th	294·3	+0·1	*294·3*	45	− 27
1268	Lord Howe Island	31 32	159 4	4·6	1012·8	1013·4	..	297·4	300·8	27th	290·3	286·3	12th	293·8	..	..	28	− 96
1271	Auckland	36 50	174 50	38·1	..	1010·5	..	294·3	298·0	30th	286·7	283·0	18th	290·5	−0·2	..	35	− 36
1272	Napier	39 32 S.	176 53 E.	21·3	..	1010·7	− 0·9	294·6	299·7	8th	285·6	280·5	18th, 21st	290·1	−0·8	..	54	− 10

DECEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
1301	Chatham Island	43 52 S.	170 42 W.	104	..	..	..	..	..	..	..	..	..	..	..	..	83	+22
1321	Isla Huafo	43 34	74 45	140	996·6	1013·5	− 2·2	285·8	287·2	13th	282·1	279·9	22nd	283·9	−0·5	*283·9*	77	+ 21
1322	Punta Galera	40 1	73 44	40	1010·7	1015·5	− 0·9	287·8	291·4	28th	282·4	280·8	3rd	285·1	−0·8	*285·6*	105	+ 27
1323	Sarmiento	45 30	69 0	274	..	1003·5	..	296·5	302·0	11th, 15th	283·4	279·2	13th	289·9	+0·4	289·2	1	− 4
1324	Puerto Madryn	42 49	W64 58	14	..	1005·6	..	300·7	308·6	12th	286·2	281·0	14th	293·5	+1·6	292·6	2	− 2
1365	Launceston	41 27	E147 10	9·4	1010·1	1011·3	+ 2·3	297·4	306·5	23rd	284·9	278·2	8th	291·2	+1·7	*290·4*	24	− 28
1366	Hobart	42 53	147 22	53·9	1004·9	1011·3	+ 1·6	294·2	304·0	16th	284·9	278·6	10th	289·6	+0·8	*288·8*	23	− 27
1370	Invercargill	46 25	168 21	5·5	..	..	..	290·7	299·1	3rd	280·4	274·7	13th, 20th	285·6	−0·2	..	107	− 3
1371	Dunedin	45 52	170 31	91·4	..	1009·4	+ 0·3	290·0	295·8	7th	281·7	277·4	16th, 17th	285·8	−0·1	..	114	+ 25
1371*a*	Christchurch	43 31	172 38	7·6	..	1008·7	− 1·9	292·3	301·2	9th	283·1	276·1	18th	287·7	−0·9	..	106	+ 58
1372	Wellington	41 16 S. ° ′	174 46 E. ° ′	2·4 metres.	.. mb.	1010·7 mb.	− 0·8 mb.	292·9 a.	297·4 a.	3rd	285·4 a.	280·3 a.	17th, 19th	289·2 a.	+0·5 a.	.. a.	73 mm.	− 9 mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

DECEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	991·4	998·1	− 4·2	281·5	282·8	15th	278·3	276·0	28th	279·9	−0·9	*279·7*	228	− 30
1422	Puerto de Punta Arenas .	53 10	70 54	4	995·1	995·6	− 3·0	287·1	291·5	4th	278·2	275·0	28th	282·7	−0·3	*282·7*	41	+ 4
1423	Punta Dungeness . .	52 24	68 26	5	995·4	996·0	− 4·5	288·9	292·5	7th	278·1	276·6	31st	283·5	+0·4	*283·9*	36	+ 9
1424	Santa Cruz . . .	50 11	68 21	12	..	999·1	− 3·0	292·9	301·2	11th	281·0	275·6	22nd	286·9	+0·5	286·6	21	+ 1
1424*a*	Año Nuevo . . .	54 39	64 9	50	986·6	992·6	− 3·5	283·1	286·3	15th	277·7	275·2	17th	280·4	+0·8	280·3	53	..
1425	Stanley, Falkland Is. .	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	82	+ 15
1426	Cape Pembroke . .	51 41	57 42	21	..	996·2	− 3·9	285·1	289·7	5th	278·1	274·1	20th	281·6	+1·0	281·9	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	992·8	993·3	− 2·2	280·8	288·9	28th	273·8	270·5	12th	277·3	0·0	*277·3*	62	− 28

DECEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys. . .	S. 60 44	W. 44 39	7	988·4	989·3	− 5·3	275·3	278·2	28th	271·8	269·5	12th	273·5	+1·1	273·3	23	0
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—DECEMBER 1917.

Date.	St. Helena. 1035. Direction.	St. Helena. *Mean Velocity for the Day.	Fanning Island. 805. 9h. Direction and Force.	Fanning Island. 805. 21h. Direction and Force.	Sierra Leone. 834. 9h. Direction and Force.	Sierra Leone. 834. 17h. Direction and Force.	Entebbe. 844. 7h. Direction and Force.	Entebbe. 844. 21h. Direction and Force.	Malden Island. 905. 9h. Direction and Force.	Tulagi. 969. 9h. Direction and Force.	Ocean Island. 970. 9h. Direction and Force.	Ocean Island. 970. 21h. Direction and Force.	Suva, Fiji. 1072. 9h. Direction and Force.
	9h.	m/s	9h.	21h.	9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.
1	SE	—	SE 4	SE 4	W 1	W 1	W 3	W 2	E by N 3	Calm 0	NW 3	W 3	W 1
2	SE	9·9	SE 4	SE 4	SW 1	Calm 0	W 3	S 2	NE 2	SE 2	ENE 2	NE 2	NE 1
3	SE	6·3	SE 5	SE 3	Calm 0	Calm 0	W 2	N 3	ENE 2	Calm 0	NE 1	NE 2	Calm 0
4	SE	6·1	SE 4	E 4	SW 1	SW 2	N 2	N 3	ENE 3	Calm 0	N 2	N 2	Calm 0
5	SE	5·5	E 4	E 4	Calm 0	W 1	N 3	W 2	ENE 2	NW 2	N 3	NE 2	SE 0
6	SE	7·6	SE 4	SE 4	Calm 0	W 2	E 2	W 2	ESE 4	Calm 0	ENE 3	SE 4	Calm 3
7	SE	6·8	SE 4	SE 5	SW 2	SW 1	SW 2	W 4	ESE 3	SE 4	SE 4	SE 3	SE 3
8	SE	3·9	SE 6	ESE 5	Calm 0	Calm 0	W 2	W 3	E by S 4	S 2	ESE 4	ESE 3	NE 0
9	SE	2·6	SE 5	SE 4	W 1	Calm 0	W 2	SW 4	ENE 3	SE 4	NE 5	ENE 3	Calm 0
10	SE	3·2	E 3	SE 4	Calm 0	Calm 0	SW 2	W 2	E 3	SE 4	ENE 3	E 3	Calm 2
11	SE	6·0	SE 4	SE 4	Calm 0	Calm 0	N 2	W 2	E by S 3	SE 2	ENE 4	E 3	NE 0
12	SE	8·0	ESE 5	SE 4	W 1	Calm 0	N 2	SW 2	E 3	Calm 0	E 4	ENE 4	Calm 1
13	SE	—	SE 4	SE 5	W 2	SW 1	W 3	SW 3	E by N 4	SE 2	ENE 5	E 5	NE 0
14	SE	—	SE 5	SE 4	W 2	Calm 0	N 2	SW 2	E by S 2	N 2	ENE 5	E 3	Calm 0
15	SE	6·2	SE 5	SE 5	Calm 0	W 1	W 3	W 2	E by N 4	Calm 0	E 3	E 1	Calm 0
16	SB	5·8	ESE 5	E 5	Calm 0	Calm 0	N 3	W 2	E 4	Calm 0	E 3	Calm 0	Calm 1
17	SE	4·9	SE 5	SE 4	Calm 0	W 2	W 3	W 3	E 4	Calm 0	ENE 4	E 2	NE 0
18	SE	7·6	ESE 5	SE 4	Calm 0	SW 1	W 2	N 2	E by S 3	NW 4	E 4	E 4	Calm 0
19	SE	8·4	SE 5	E 4	Calm 0	W —	N 2	SW 3	E 2	NW 4	E 4	E 4	Calm 1
20	SE	7·9	ESE 5	ESE 4	Calm 0	WNW —	W 3	SW 4	ENE 3	W 2	E 4	E 4	NE 1
21	SE	9·8	ESE 4	E 4	SW 2	SW 2	W 4	SW 2	ENE 3	SE 4	E 3	E 3	NE 0
22	SE	10·8	ESE 5	SE 4	Calm 0	Calm 0	W 3	W 3	ENE 3	SE 2	E 3	E 3	Calm 2
23	SE	9·1	SE 5	SE 5	Calm 0	SW 2	N 5	SW 2	E by S 3	Calm 0	E 4	E 3	W 1
24	SE	7·1	E 5	ESE 4	Calm 0	SW 3	W 2	W 2	E 3	NW 2	NE 4	N 3	N 1
25	SE	6·3	SE 5	SE 4	Calm 0	W 3	W 3	Calm 0	ENE 3	Calm 0	N 4	NE 3	W 2
26	SE	4·7	ESE 5	ESE 4	Calm 0	SW 3	Calm 0	SW 3	E by N 3	Calm 0	E 4	E 3	N 2
27	SE	7·0	SE 5	SE 4	Calm 0	SW 3	N 2	W 2	E 2	Calm 0	E 3	E 4	NE 0
28	SE	9·1	SE 6	E 5	Calm 0	SW 3	Calm 0	N 2	ENE 4	N 4	E 3	E 3	Calm 2
29	SE	9·5	ESE 7	SE 7	Calm 0	W 4	W 4	SW 2	ENE 3	Calm 0	N 4	N 4	E 0
30	SE	10·1	SE 5	SE 4	W —	W 3	W 2	W 3	E 3	Calm 0	NE 4	ENE 3	Calm 2
31	SE	—	SE 5	E 5	Calm 0	SW 3	W 3	W 3	E by S 2	SE 2	E 3	E 3	W 0
Mean ..	..	7·0	4·8	4·3	0·4	1·4	2·5	2·5	3·0	1·5	3·5	3·0	0·0
†Resultant	135° (100)	..	125° (93)		250° (45)		275° (64)		85° (94)	135° (11)	75° (76)		35° (24)
†Normal	144° (91)	7·8	102° (77)		24° (6)		265° (44)		70° (81)	121° (9)	101° (20)		99° (53)

* Mean velocity of the South-East Trade Wind at 632 metres.
† Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—DECEMBER 1917.

* *Iceland* was ice free except on the N. coast, where ice was visible throughout the month off Cape North and a little polar ice was seen at Grimsey on one day, which is unusual in this month.

* *Davis Strait and Baffin Bay.*—"Storis" arrived at Julianehaab Bay. Umanak Fjord froze and the W. ice appeared at Egedesminde, where it froze together. There was no open water in Melville Bay.

* *Is orholdene de Arktiske Have*, 1917, 1918, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, YEAR 1917

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1917 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **YEAR—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay . . .	77 20	67 30	?	..	..	..	..	284·1	July 10	..	235·6	Mar. 1	..	..	..	..	..
124	Upernivik . . .	72 47	W56 7	18·9	1009·2	1011·6	+ 1·1	..	290·3	July 9	260·8	239·0	Mar. 16, 17	..	+0·6	*265·0*	344	+118
125	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1009·0	1010·5	− 0·4	..	280·9	July 7	256·0	223·8	Mar. 28	..	−3·9	260·4	286	− 7
139	Gjesvaer	71 6	25 22	6·5	1005·4	1006·2	− 1·8	..	300·5	July 17	270·9	258·2	Feb. 17	..	−1·3	*273·5*	1018	+377
140	Mehavn	71 1	27 47	6·4	1005·8	1006·6	− 1·4	..	299·5	July 18	270·3	256·6	Feb. 7	..	−1·0	*273·1*	635	−107
141	Vardö	70 22	31 8	10·0	1006·2	1007·5	− 1·5	..	291·8	July 17	270·2	254·8	Feb. 17	..	−0·5	*273·2*	613	− 46
142	Malye Karmakouly . .	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24	58 47	11·2	?1007·4	?1008·9	− 1·3	..	295·3	July 26	?260·3	231·6	Mar. 19	..	..	*?263·4*	..	..

Between Latitude 70° N. and 60° N. **YEAR—ZONE 2.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1013·4	+ 3·7	272·7	299·1	July 1	265·4	233·0	Jan. 5, 6	269·1	−0·5	..	367	− 45
204	Candle	65 55	161 57	2·4	..	..	..	269·6	298·6	June 29, 30	261·4	226·3	Jan. 6	265·5	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1014·7	+ 2·0	271·7	302·4	July 1	260·7	220·8	Jan. 10	266·2	−1·6	*266·3*	340	+ 30
206	Rampart	65 30	150 15	122	..	..	..	272·8	303·6	Aug. 4	..	218·6	Jan. 6	..	..	..	258	+ 5
207	Valdez	61 7	146 16	8·2	..	..	..	277·7	295·8	June 21	269·7	241·9	Feb. 3	273·7	−1·3	*273·6*	1047	−298
208	Eagle	64 46	141 12	254	..	1014·2	+ 2·0	271·9	303·6	Aug. 7	259·9	220·2	Dec. 24	265·9	−2·3	..	220	− 51
209	Dawson	64 4	139 20	328	975·0	1016·7	+ 2·5	271·4	301·9	Aug. 9, 10	260·0	220·2	Dec. 25	265·7	−2·1	..	328	− 28
210	Carcross	60 11	134 34	662	..	..	..	275·6	296·9	Aug. 7	263·6	218·0	Dec.	269·6	−1·8	..	183	− 46
211	Fort Good Hope . . .	66 25	128 53	65·2	1010·5	1019·1	..	..	303·6	Aug. 7	256·7	216·9	Jan. 31	..	..	..	302	..
212	Fort Simpson . . .	61 52	121 35	129	999·5	1016·2	..	272·4	303·6	July 14	261·6	220·8	Feb. 1	267·0	−0·2	..	368	+ 21
213	Hay River	60 51	115 20	161	994·0	1015·3	..	..	300·8	July 15	261·9	221·9	Dec. 25	..	..	..	253	..
225	Jacobshavn	69 13	51 2	12·6	1009·5	1011·1	+ 1·4	..	..	..	..	..	..	..	..	..	441	+216
226	Godthaab	64 11	51 43	9·0	1005·8	1006·9	+ 1·1	276·7	294·2	July 5	269·9	257·2	Mar.18, Nov.28	273·3	+1·9	*272·9*	331	−274
227	Ivigtut	61 12	48 10	5·0	1007·9	1008·5	+ 3·3	..	..	..	272·0	254·4	Mar. 3	..	+2·3	*276·0*	1006	−134
229	Angmagsalik	65 37	37 33	31·7	1006·6	1010·6	+ 3·5	275·5	292·7	July 6	267·2	243·6	Dec. 9	271·3	−0·2	*271·1*	579	−365
231	Stykkisholm	65 5	22 46	11·3	1009·9	1011·3	+ 5·1	279·0	292·5	July 4	272·6	253·5	Dec. 17	275·8	−0·2	*275·6*	630	− 20
232	Vestmanno	63 3	20 15	7·7	1007·6	1008·5	+ 2·6	281·0	293·1	July 31	274·6	257·6	Apr. 1	277·8	−0·4	*277·8*	1402	+ 50
233	Grimsey	66 33	17 58	22·0	..	..	..	276·8	294·8	July 21	271·1	254·7	Apr. 10	273·9	−0·6	*274·0*	32	−249
233*a*	Akureyri	65 40	18 4	6·8	1009·9	1010·8	+ 3·3	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1007·2	1009·4	+ 2·2	279·0	292·8	July 20	271·7	255·4	Apr. 10	275·3	−0·4	*275·7*	786	−378
235	Thorshavn	62 3	6 45	25·7	1006·7	1009·8	+ 1·2	280·9	290·4	Aug. 1	275·9	263·2	Feb. 4	278·4	−0·9	*278·4*	1237	−241
236	Lerwick	60 9	W 1 8	18·0	1008·2	1010·4	+ 1·1	282·1	293·6	Aug. 5	277·9	267·4	Feb.5, Dec. 3, 4	280·0	−0·1	*280·1*	1328	+364
237	Bergen (Met. Obs.) . .	60 24	E 5 19	44·4	1005·6	1011·1	− 0·4	..	301·6	Aug. 4	276·7	264·6	Jan. 20	..	−0·6	*279·5*	2446	+715
238	Christiansund . . .	63 7	7 45	17·8	1007·5	1009·6	− 0·7	..	298·6	Aug. 8	277·0	265·4	Jan. 4	..	0·0	*279·5*	1245	+114
239	Trondhjem	63 26	10 25	39·5	1005·4	1010·3	− 0·3	..	303·1	Aug. 2	274·2	252·7	Jan. 5	..	−0·1	*277·7*	889	− 73
240	Bodö	67 17	14 24	22·4	1005·2	1007·9	− 1·2	..	297·0	July 16	273·4	257·2	Feb. 3	..	−0·7	*276·4*	994	+ 19
241	Haparanda	65 50	24 9	9·2	1008·4	1009·6	− 1·5	276·9	301·0	Aug. 8	268·7	237·5	Feb. 3	272·8	−0·5	*272·8*	561	+ 93
242	Helsingfors	60 10	24 57	11·7	1010·4	1011·8	− 1·3	280·5	302·0	Aug. 4	273·4	246·7	Feb. 3	276·9	−0·5	*276·9*	568	− 43
242*a*	Kuopio	62 54	27 40	90·3	999·2	1010·5	− 2·2	279·0	303·6	June 22	270·9	238·0	Feb. 19	274·9	−0·1	*275·3*	644	+ 67
243	Kola	68 53	33 1	6·7	1007·9	1008·8	− 1·1	274·9	302·0	July 18	266·8	237·2	Jan. 6	270·8	−1·2	*271·1*	518	+218
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	5·8	1010·3	1011·0	− 0·9	276·7	303·0	June 30	268·6	237·2	Feb. 19	272·6	−0·6	*272·7*	510	+ 83
246	Mezen	65 50	44 16	12·6	1008·7	1010·3	− 0·8	274·6	303·0	June 24	266·0	230·4	Nov. 22	270·3	−0·8	*270·6*	377	+ 85
247	Oust-Tsylma	65 25	52 14	? 70	1002·8	1011·8	− 1·7	273·3	303·2	July 1	265·1	229·6	Nov. 22	269·2	−1·7	*268·9*	433	..
248	Tcherdyn	60 24	56 31	?177	992·6	1014·8	+ 0·1	277·5	304·5	July 6	269·1	236·1	Feb. 21	273·3	+0·7	*273·1*	615	+ 86
249	Berezov	63 56	65 4	39·9	1009·0	1014·1	+ 0·2	273·1	302·2	July 1	263·9	227·0	Jan. 26	268·5	+0·1	*268·5*	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1009·2	1014·3	− 0·8	..	302·2	July 14	264·9	222·5	Jan. 22	..	+0·6	*270·2*	497	+ 87
252	Doudinka	69 23	86 4	20	1009·5	1012·1	− 0·6	..	301·5	July 12	258·7	223·2	Jan. 16	..	..	*262·8*	269	..
253	Touroukhansk	65 47	87 57	45	1010·3	1016·1	+ 1·6	..	304·3	July 12	261·1	214·9	Jan. 17	..	+1·0	*266·3*	438	+ 91
254	Olekminsk	60 22	120 26	155	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Iakoutsk	62 1	129 43	108	1003·9	1018·1	+ 0·6	..	303·3	July 9	257·5	220·5	Jan. 21	..	+1·3	*263·4*	169	− 68
262	Verkhoïansk	67 33	133 23	100	1000·7	1014·0	+ 0·6	..	306·2	July 19	251·9	210·4	Jan. 19	..	+2·2	*258·8*	51	− 79
263	Oust-Maïskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
264	Markovo-sur-Anadyr . .	64 45	170 50	25·9	1013·0	1016·4	+ 2·8	268·7	296·9	July 29	259·9	222·9	Jan. 14	264·3	+1·2	..	254	+ 64
271	Novo-Mariinskii Post .	64 45	177 33	5·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 105. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

YEAR—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	265·2	Feb. 5, 12	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1008·5	+ 1·3	276·0	285·2	Aug. 10, 11	269·6	248·6	Jan. 21	272·8	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	..	..	279·9	299·1	July 9	274·4	261·9	Jan. 8	277·2	−0·1	*276·9*	1010	−550
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 47	152 22	6·1	..	..	..	279·1	294·7	June 21, July 7	273·8	250·2	Jan. 1	276·5	..	..	1318	−203
309	Sitka	57 3	135 19	27·4	..	..	..	282·4	296·3	June 13	275·2	253·0	Feb. 1	278·8	−0·7	*278·8*	2367	+298
310	Prince Rupert	54 18	130 18	51·8	1006·6	1013·0	0·0	283·0	300·2	Sept. 1	276·5	253·0	Jan. 29, 30	279·7	−0·8	*279·5*	2372	−206
311	Barkerville	53 2	121 35	1274	868·5	..	..	278·7	297·4	July 14, 17, 18	268·8	231·9	Jan. 30	273·7	−1·4	*273·5*	1206	+327
312	Kamloops	50 42	120 29	385	974·1	1020·5	+ 1·6	286·1	309·7	July 18, 26	274·9	240·8	Jan. 31	280·5	−1·1	*280·3*	287	+ 8
313	Calgary	51 2	114 2	1045	894·1	..	..	283·4	305·8	July 16	269·3	234·1	Feb. 1	276·3	+0·1	*275·6*	287	−124
314	Fort Chipewyan	58 42	111 10	218	988·9	1016·4	..	274·6	304·7	July 15	264·0	221·9	Feb. 1	269·3	−1·0	*269·8*	371	+ 26
315	Prince Albert	53 10	106 0	442	962·6	1016·8	+ 2·2	279·5	306·3	July 17	266·7	227·4	Dec. 28	273·1	+0·1	*272·7*	270	−129
316	Qu'Appelle	50 30	103 47	645	938·1	1015·8	+ 0·9	279·7	311·9	July 27	267·4	229·1	Feb. 2	273·5	−0·9	*273·0*	425	− 39
317	Minnedosa	50 15	99 50	515	954·2	1017·0	+ 1·0	279·8	310·2	July 28	266·6	231·3	Feb. 2	273·2	−1·0	*272·5*	294	−136
318	Berens River	52 18	97 23	216	..	..	..	276·4	305·2	July 8	264·9	229·7	Dec. 27	270·7	−1·9	..	468	+ 52
318a	Port Nelson	57 4	92 36	14·9	1014·5	1016·4	..	269·9	302·4	July 17	260·7	227·4	Dec. 27	265·3	..	..	428	..
319	Fort Hope	51 33	87 49	‡260	983·0	1015·9	..	275·5	305·2	July 24	263·1	229·1	Jan. 9, 23, 24	269·3	−2·1	*269·4*	..	..
320	Moose Factory	51 14	80 30	9·1	..	..	..	..	305·2	July 8, 9	..	228·6	Mar. 3	..	..	..	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	..	300·8	July 8, 14	264·3	228·0	Jan. 23	..	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	277·6	300·2	July 8, 18	265·0	227·4	Dec. 27	271·3	..	..	875	..
323	Hebron	58 12	62 21	15·0	1014·2	1016·1	+ 6·5	..	..	..	266·4	241·6	Mar.	..	..	*269·4*	..	..
324	Natashquan	50 8	61 48	?	..	..	..	277·2	296·3	July 27, Aug. 4, 6	268·3	239·7	Dec. 28	272·7	..	..	968	..
326	Belle Isle	51 53	55 23	133	994·3	1011·0	+ 1·0	275·7	293·0	Aug. 25	268·9	244·1	Jan. 25	272·3	+0·1	*272·4*	549	−659
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1014·4	1016·1	+ 2·4	285·2	294·7	May 5, July 21	280·3	270·2	Jan. 17, Feb. 8	282·8	−0·6	282·9	1290	−124
335	Aberdeen	57 10	2 6	26·8	1009·2	1012·5	+ 1·1	283·2	295·8	July 27	277·8	266·3	Feb. 6, Mar. 9	280·5	−0·4	280·5	715	− 33
336	Greenwich	51 28	W 0 0	46·3	1010·0	1015·6	+ 0·5	286·6	306·9	June 17	278·2	264·7	Dec. 19	282·4	−0·7	282·1	661	+ 65
337	Uccle	50 48	E 4 22	100	1002·9	1015·2	− 0·5	285·9	304·5	June 16	277·3	256·5	Feb. 2	281·6	−1·0	281·5	851	+ 42
338	De Bilt	52 6	5 11	3·0	1014·7	1015·1	+ 0·1	285·7	305·4	June 17	277·4	256·5	Feb. 1	281·5	−0·5	281·4	783	+ 35
338a	Hamburg	53 33	9 58	26·0	1011·7	1014·9	+ 0·3	284·7	304·0	June 18	278·3	257·2	Feb. 5	281·5	−0·3	*281·3*	658	− 65
339	Copenhagen	55 41	12 36	5·0	1013·2	1013·8	+ 0·1	283·2	301·1	June 18	278·2	262·0	Feb. 8	280·7	−0·1	*280·8*	513	− 47
340	Potsdam	52 23	13 4	84·9	1005·0	1015·5	+ 0·2	285·8	307·9	June 20	276·8	249·5	Feb. 5	281·3	−0·5	280·8	516	− 48
340a	Upsala	59 51	17 38	24·0	1008·8	1011·7	− 0·6	282·0	306·4	June 21	272·6	246·6	Feb. 2	277·3	−0·4	277·4	451	− 89
341	Warsaw	52 13	21 1	133	999·6	1015·9	+ 0·1	284·5	308·4	June 21	276·5	252·3	Feb. 6	280·5	0·0	280·6	530	+ 41
342	Jurjev	58 23	26 43	74·5	1004·0	1013·3	− 0·2	280·8	305·9	June 21	272·5	243·3	Feb. 4	276·6	−1·0	276·5	583	
343	Petrograd	59 56	30 16	4·8	1011·6	1012·2	− 1·2	281·0	305·5	June 22	272·9	244·1	Feb. 8	277·0	−0·4	*276·4*	479	− 10
344	Kiev	50 27	30 30	183	994·2	1016·6	+ 0·2	283·9	305·1	June 29	275·6	249·1	Jan. 31	279·8	−0·5	*279·4*	564	+ 5
344a	Moscow	55 50	37 33	167	994·3	1015·0	− 1·1	280·6	306·5	June 30	271·7	237·5	Feb. 4	276·2	−0·7	*276·2*	441	−125
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1007·0	1017·0	+ 1·0	281·8	310·5	July 14	272·5	239·1	Jan. 31	277·2	+0·8	*277·0*	412	−108
347	Orenburg	51 45	55 6	109	1005·8	1019·5	+ 1·4	283·0	310·0	July 6	271·4	236·2	Feb. 1, 28, Mar. 1	277·2	+0·8	*277·1*	272	− 83
348	Perm	58 1	56 16	163	996·2	1016·6	+ 1·1	..	306·0	July 13	270·8	234·4	Jan. 31	..	+0·7	*274·9*	507	
349	Ekaterinburg	56 49	60 38	281	981·6	1016·3	− 0·8	279·6	304·7	July 14	270·2	239·3	Jan. 31	274·9	+1·0	*274·6*	358	− 28
350	Tobolsk	58 12	68 14	?108	1003·4	1017·1	+ 0·3	..	303·6	July 3	269·0	235·1	Jan. 22	..	+0·8	*273·4*	404	− 26
351	Akmolinsk	51 12	71 23	?347	978·2	1021·1	+ 0·2	..	306·0	May 7	268·4	234·2	Feb. 28	..	0·0	*274·3*	223	− 62
352	Omsk	54 58	73 23	87·9	..	..	..	..	301·0	May 14, June 16	..	..	..	..	..	..	444	+125
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	1003·6	1019·1	+ 0·1	..	301·1	June 22	267·7	231·3	Mar. 10	..	+0·9	*272·9*	525	− 6
355	Minousinsk	53 43	91 41	249	990·7	1021·9	+ 0·1	..	305·3	July 27	266·7	225·4	Jan. 2	..	..	*273·0*	268	− 25
356	Eniseisk	58 27	92 10	77·6	1009·2	1019·1	+ 0·1	..	303·2	June 24	265·3	223·7	Jan. 1	..	+0·1	*271·2*	348	− 70
357	Irkutsk	52 16	104 19	467	963·9	1021·7	+ 0·4	..	301·6	July 29	265·2	229·6	Jan. 4	..	−0·7	*271·4*	404	+ 26
358	Kirensk	57 47	108 7	263	987·0	1020·2	+ 0·6	..	303·7	July 15	262·8	222·7	Jan. 6	..	+0·4	*269·7*	537	+179
359	Tchita	52 2	113 30	687	934·7	1018·4	− 0·3	..	302·8	July 30	263·5	227·6	Jan. 6	..	+0·5	*270·4*	280	− 30
360	Blagoveshchensk Priisk	58 10	114 19	490	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360a	Nertchinskii Zavod	51 19	119 37	626	941·1	1017·7	− 0·4	..	306·0	July 27	263·6	230·4	Jan. 6, Dec. 24	..	+0·6	*269·8*	273	−128
361	Tygan Ourkan	54 5	124 46	379	968·6	1015·8	..	276·9	303·8	June 18	262·7	231·4	Jan. 15	269·8	..	*270·1*	489	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	996·4	1014·2	0·0	279·0	304·6	Aug. 24	268·4	239·3	Jan. 10	273·7	+0·9	*273·4*	743	+236
363	Paikanskii Sklad	50 11	130 7	145	995·0	1013·4	..	278·1	304·1	Aug. 2	263·2	228·9	Jan. 15	270·6	..	*270·5*	656	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·2	1012·8	+ 1·3	..	301·4	June 21	265·9	233·5	Feb. 13	..	+0·4	*270·9*	523	+ 79
366	Okhotsk	59 21	143 12	6·0	1012·2	1013·0	− 0·3	272·1	296·2	Aug. 23	265·3	237·0	Jan. 15	268·7	+1·1	*268·6*	316	+ 52
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1006·3	1008·0	+ 0·7	279·3	299·8	July 8	271·5	245·8	Feb. 14	275·4	..	*275·2*	1022	..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

YEAR—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·7	1018·3	+ 1·9	285·3	300·8	Aug. 31	279·0	262·4	Jan. 30	282·1	−0·3	281·7	790	− 37
412	Portland, Oregon	45 32	122 41	46·6	1013·7	1019·1	+ 1·6	289·4	306·3	Aug. 12	281·0	267·4	Jan. 31	285·2	+0·8	*285·1*	1029	− 88
413	Macleod	49 44	113 24	953	..	..	..	283·4	308·0	July 17	270·5	229·1	Jan. 31	276·9	−1·2	*277·0*	366	+ 7
414	Helena	46 34	112 4	1253	873·9	1017·4	+ 0·9	285·1	308·6	July 22	272·8	241·3	Jan. 31	278·9	−0·5	*278·8*	393	+ 46
414a	Salt Lake City	40 46	111 54	1329	868·9	1017·4	+ 1·9	288·5	309·1	July 22	278·2	256·3	Jan. 18, Feb. 1	283·3	−0·4	*283·6*	359	− 54
415	Cheyenne	41 8	104 48	1856	812·9	1016·6	+ 1·7	285·5	304·1	June, July, Aug.	272·6	248·6	Jan. 22	279·0	−0·8	*279·4*	357	+ 6
416	North Platte	41 8	100 45	859	918·0	1018·4	+ 2·4	289·0	313·0	July 28	274·2	243·6	Jan. 22	281·6	−0·8	*281·2*	469	− 7
416a	Bismarck	46 47	100 38	511	957·2	1019·1	+ 2·4	283·1	314·7	July 28	270·2	233·6	Feb. 2	276·7	−0·6	*276·8*	290	−151
417	Winnipeg	49 53	97 7	232	988·5	1017·4	+ 1·2	279·4	307·4	June 9	268·3	234·1	Jan. 14	273·9	−0·4	*273·5*	350	−184
418	Duluth	46 47	92 6	345	975·0	1017·4	+ 1·2	279·1	307·4	July 29	269·4	235·8	Dec. 28	274·2	−2·1	*274·1*	590	−107
419	Port Arthur	48 27	89 12	196	992·0	1016·4	+ 0·4	279·3	304·7	July 30	268·8	236·3	Dec. 28	274·1	−0·8	*273·8*	378	−211
420	Chicago	41 53	87 37	251	987·2	1017·6	+ 0·7	285·0	309·7	July 30	277·4	249·7	Feb. 2	281·2	−1·2	*281·2*	627	−212
421	Toronto	43 40	79 24	116	1002·1	1016·5	+ 0·1	283·9	309·7	July 29, 30	274·6	245·8	Dec. 29	279·3	−0·6	278·8	875	+ 25
422	New York (Central Park)	40 46	73 58	30·2	1012·9	1016·6	− 0·5	287·5	310·8	July 31	279·3	248·0	Dec. 30	283·4	−1·1	283·2	1042	− 64
423	St. John, N.B.	45 17	66 4	36·2	1009·7	1014·2	− 0·4	281·1	303·0	July 31	273·0	244·1	Dec. 30	277·1	−1·0	276·7	1178	− 42
424	S.W. Point, Anticosti	49 24	63 33	9·1	1011·9	1013·0	+ 1·3	277·3	295·2	Aug. 2, 3	271·4	246·3	Jan. 25	274·3	−0·4	*274·5*	1018	+282
424a	Sable Island (Main Station)	43 57	60 6	7·6	1015·0	1015·9	+ 0·8	282·5	299·1	Aug. 23, 25	277·3	259·7	Jan. 20	279·9	−0·3	*279·8*	1240	− 94
425	Port aux Basques	47 35	59 10	9·1	1012·2	1013·3	+ 0·5	279·8	295·2	Aug. 11, 26	273·7	252·4	Feb. 3, 4	276·8	+0·3	*276·7*	1321	− 70
426	St. John's, Newfoundland	47 34	52 42	38·1	1006·3	1011·0	− 0·5	282·3	302·4	June 16	274·9	253·0	Feb. 26	278·6	+0·8	*278·5*	1525	+137
435	Madrid	40 24	3 41	655	940·5	1016·4	− 1·0	294·1	313·3	July 13	278·9	263·0	Dec. 31	286·5	−0·3	285·8	374	− 47
436	Nantes	47 15	W 1 34	36·5	1012·3	1016·7	0·0	287·5	305·0	June 17	279·1	262·2	Feb. 3	283·3	−1·0	283·2	659	− 71
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·5	1016·7	0·0	287·2	305·3	June 17	278·0	257·6	Feb. 4	282·6	−0·8	282·3	573	+ 11
438	Marseilles	43 18	5 23	74·8	1005·4	1014·5	− 0·5	291·8	308·2	July 20	280·8	265·2	Dec. 28	286·3	−1·0	285·8	654	+ 86
438a	Zürich	47 23	8 33	493	958·7	1017·5	− 0·5	286·3	304·8	July 29	277·3	258·5	Dec. 29	281·8	−0·4	281·1	1074	− 46
439	Rome	41 54	12 27	45	1008·8	1014·2	− 1·1	292·9	307·1	Aug. 1	284·0	270·7	Dec. 7	288·4	−0·1	*288·4*	930	+110
440	Vienna	48 15	16 22	203	991·3	1015·9	− 0·7	285·7	304·3	July 31	278·4	256·6	Feb. 9	282·0	−0·1	282·0	573	− 50
440a	Buda-Pesth	47 31	19 1	130	1000·2	1015·9	− 0·7	289·1	309·4	Aug. 2	278·7	254·0	Feb. 9	283·9	+0·7	*283·6*	446	−192
441	Monastir	41 1	21 23	617	..	..	..	..	..	..	..	..	..	..	..	..	..	..
442	Bucharest	44 25	26 5	82	1006·7	1016·7	− 0·1	289·9	310·7	Aug. 30	278·3	253·3	Feb. 9	284·1	0·0	283·6	589	+ 6
443	Odessa (University)	46 29	30 44	65·3	..	..	..	..	304·6	Aug. 3	..	..	..	..	..	..	..	..
444	Kharkov (University)	50 0	36 14	140	..	..	..	..	308·3	July 13	..	..	..	..	..	..	..	..
444a	Novorossiisk	44 44	37 49	37·1	1011·5	1016·0	− 0·3	290·1	305·5	Aug. 9	281·7	257·1	Feb. 25	285·9	+0·2	*285·7*	819	+130
445	Tiflis	41 43	44 48	404	969·5	1017·0	− 0·9	293·0	311·5	July 13	281·6	263·2	Feb. 26	287·3	+0·7	*286·4*	394	−104
446	Astrakhan	46 21	48 2	−13·8	1020·2	1018·5	+ 0·5	287·7	307·2	July 15	279·3	250·5	Jan. 31	283·5	+0·6	*283·0*	151	− 5
447	Fort Alexandrovsk	44 30	50 16	24	1013·8	1016·7	− 1·2	..	308·5	July 15	281·0	255·2	Feb. 26	..	+1·0	*284·8*	114	− 27
448	Krasnovodsk	40 0	52 59	−14·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Aralskoe More	46 47	61 42	57·0	..	..	..	..	310·2	July 9	..	..	..	..	..	..	..	..
450	Tachkent	41 20	69 18	479	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 0	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Vernyi	43 16	76 53	?825	..	..	..	..	311·9	July 28	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1010·8	1016·2	− 0·4	286·4	310·2	June 30	273·5	241·7	Jan. 3	279·9	−0·3	279·5	510	−140
462	Joshin	40 40	129 11	4·0	1013·6	1014·1	− 0·7	285·5	306·5	Aug. 12	276·0	249·9	Jan. 21	280·7	−0·7	280·3	659	− 42
463	Yuki	42 20	130 24	65·6	1006·2	1014·4	..	283·3	304·4	Aug. 11	275·2	251·6	Jan. 8, 22	279·3	..	279·1	495	..
464	Vladivostok	43 7	131 55	128	998·6	1014·5	− 1·3	280·5	303·0	Aug. 24	273·5	246·1	Jan. 21	277·0	−1·0	276·7	708	+138
465	Ochiai	47 20	142 44	6·6	1009·8	1010·0	− 1·7	279·8	302·6	Aug. 9	269·2	233·0	Feb. 28	274·5	+0·2	274·9	1147	+261
466	Nemuro	43 20	145 35	26·7	1007·7	1011·0	− 1·6	282·0	298·5	July 13	275·3	255·3	Mar. 2	278·7	+0·1	278·6	1000	+ 37
466a	Syana	45 14 N.	147 53 E.	39·3	1005·4	1010·2	− 1·9	281·1	300·0	Aug. 10	274·0	254·9	Feb. 28	277·5	+0·4	277·6	1127	+136
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N. — YEAR—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1012·3	1018·0	+ 1·1	290·5	308·6	Oct. 3	282·5	274·1	Jan. 16	286·5	0·0	*285·7*	229	−334
512	San Luis Obispo	35 18	120 39	61·3	1010·9	1018·2	+ 1·4	294·8	316·3	June 15	281·2	271·9	Jan. 1, Mar. 11	288·0	+0·3	*287·3*	262	−291
513	San Diego	32 43	117 10	26·5	1013·0	1016·2	+ 1·1	292·7	306·3	Sept. 28	285·3	276·9	Mar. 3	289·0	−0·4	*288·5*	205	− 48
514	Modena	37 48	113 54	1670	834·7	1016·7	+ 2·0	289·6	309·1	July 12	272·2	245·2	Jan. 17	280·9	−0·8	*280·7*	214	− 69
515	Santa Fé	35 41	105 57	2138	788·0	1014·3	+ 0·6	289·0	305·2	July 14	276·4	258·6	Jan. 23, Feb. 2	282·7	+0·2	*282·5*	129	−230
516	Denver	39 45	105 0	1613	837·6	1016·5	+ 1·9	289·6	308·0	June 29	275·9	249·7	Jan. 22	282·7	−0·3	*282·6*	235	−129
517	Abilene	32 23	99 40	530	955·2	1016·2	+ 0·8	298·1	313·0	June, July, Aug.	283·8	259·7	Dec. 29	290·9	+0·2	*290·4*	276	−333
518	Saint Louis	38 38	90 12	173	996·9	1017·7	+ 0·5	290·2	308·6	July 13	280·3	249·7	Feb. 2	285·2	−1·2	*285·0*	637	−318
519	Mobile	30 41	88 2	17·4	1016·4	1018·6	+ 1·0	296·9	308·6	June 25, July 30	287·4	264·7	Dec. 30	292·2	−0·2	*291·7*	1141	−438
520	Nashville	36 10	86 47	166	999·3	1019·3	+ 1·2	292·3	308·0	July 14	281·2	255·2	Dec. 9	286·8	−1·3	*286·9*	1202	+ 4
521	Charleston	32 47	79 56	14·6	1016·9	1018·6	+ 0·4	295·3	308·0	July 28	286·8	261·9	Feb. 3, Dec. 30	291·1	−0·5	*291·2*	853	−394
522	Washington	38 54	77 3	34·1	1013·5	1017·6	− 0·2	289·8	310·2	July 31	279·6	253·6	Dec. 30	284·7	−1·2	*284·4*	971	−111
523																		
524	Bermuda	32 18	64 46	46·0	1013·1	1018·5	+ 0·4	296·4	303·6	July 19	291·1	280·2	Feb. 4	293·8	−0·4	*293·6*	1600	+187
530	Santa Cruz (Flores)	39 27	31 9	28	1018·6	1021·7	− 0·3	292·7	300·8	Aug. 28	286·9	274·2	Mar. 9	289·8	−0·6	*289·8*	1688	+ 76
531	Horta	38 32	28 38	65	1014·1	1021·3	+ 0·5	292·2	300·8	Aug. 2	287·6	279·0	Jan. 31	289·9	−0·7	289·9	1051	−103
532	Ponta Delgada	37 44	25 40	22	1019·5	1021·3	+ 0·2	291·9	299·7	July 31	287·9	280·6	Jan. 25	289·9	−0·5	289·8	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	1472	+119
533	Madeira (Funchal)	32 37	16 54	25	1017·1	1020·1	+ 0·5	293·1	305·7	Sept. 20	288·1	281·5	Feb. 7	290·6	−0·9	*290·7*	852	+163
534																		
535	Lisbon	38 43	9 9	95	1006·3	1017·7	− 0·1	292·5	308·3	July 11	285·3	274·1	Dec. 31	288·9	−0·2	*288·4*	515	−240
536	Gibraltar	36 6	5 21	16·2	1015·2	1017·2	− 0·8	293·5	305·2	Aug. 24	286·5	275·2	Dec. 29, 30	290·0	−0·9	*289·8*	956	+ 47
536a	Melilla	35 18	2 59	8	‡1017·0	‡1017·9	− 1·1	295·0	309·2	Aug. 25	286·2	275·2	Dec. 29	290·6	−1·8	*292·1*	465	− 29
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

YEAR—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 38	23	1011·9	1014·6	− 2·1	293·7	307·6	Aug. 13	284·6	270·0	Dec. 27	289·2	−1·2	..	584	+100
538	Algiers (Bouzaréah)	36 48	3 2	344	975·4	1015·8	− 1·0	292·1	312·2	Sept. 11	285·6	270·8	Dec. 28	288·8	−0·5	288·4	892	+236
539	Tunis	36 48	10 10	33	‡1010·5	‡1014·4	− 1·5	296·2	317·6	Sept. 10	285·9	272·0	Dec.29,30,31	291·1	+0·1	290·7	405	− 13
539a	Malta	35 53	14 31	56·4	..	1015·0	− 1·6	294·3	307·2	Aug. 30	285·9	278·1	Dec. 6	290·1	−1·3	289·4	440	− 21
540	Riposto	37 41	15 14	14·2	..	1016·2	− 0·8	294·0	307·8	Aug. 4	287·9	278·0	Dec. 6	290·9	−0·7	290·0	580	−111
541	Athens	37 58	23 43	107	1001·8	1014·5	− 0·1	294·6	310·9	July 18	286·9	269·0	Dec. 9	290·8	+0·5	290·7	534	+140
542	Alexandria	31 12	29 53	32·0	1010·6	1014·3	− 0·6	298·1	313·0	June 16	290·1	280·7	Jan. 29	294·1	+0·5	293·7	200	− 4
543	Cairo (Helwan)	29 52	31 20	116	999·8	1013·4	− 0·4	301·2	316·8	Apr. 25	288·6	277·7	Dec. 9	294·9	+0·2	294·4	33	− 2
544	Nicosia (P.W.D.)	35 9	33 22	159	993·6	1012·0	− 0·7	298·4	313·6	July 23,24,25 Aug. 18	?285·8	?274·1	Dec. 9, 10, 12	?292·1	+0·4	..	327	− 49
544a	Beirut	33 54	35 28	33·7	..	1012·7	− 0·2	297·3	308·6	May 20	290·9	280·8	Jan. 5	294·1	+0·6	293·9	901	+ 4
545	Baghdad	33 21	44 28	38·7	..	..	..	..	323·4	July 21	..	..	..	..	..	..	..	..
546	Busrah	30 31	47 53	7·6	..	..	..	305·4	323·1	July 22	289·7	272·3	Dec. 13	297·5	+0·8	..	86	− 73
546a	Lenkoran	38 46	48 51	−19·3	1019·0	1016·7	− 0·4	..	305·3	July 23	284·2	270·5	Feb. 27	..	+0·4	287·9	688	−369
547	Teheran	35 41	51 25	1220	..	..	..	296·7	313·9	July 7	284·8	267·2	Dec. 31	290·8	+1·2	290·6	92	−145
548	Meshed	36 16	59 35	946	..	..	..	296·5	311·8	Aug. 16	278·3	260·2	Dec. 30	287·4	+0·7	..	79	−159
549	Seistan	31 0	61 30	?	..	..	..	301·3	317·6	June 14	285·6	261·8	Dec. 31	293·4	..	..	26	..
550	Quetta	30 11	67 3	1677	831·8	..	− 0·8	296·3	311·4	July 29	279·4	262·3	Dec. 30, 31	287·8	−0·1	287·6	222	− 34
551	Peshawar	34 2	71 37	339	971·1	1010·0	− 0·8	302·6	320·4	July 10	288·0	271·3	Jan. 9	295·3	−0·1	294·7	356	+ 18
551a	Lahore	31 34	74 20	214	984·1	1008·9	− 0·1	302·7	316·2	June 2	289·7	274·8	Jan. 1, 8	296·2	−1·1	295·6	776	+276
552	Simla	31 7	77 8	2205	780·0	..	− 0·4	287·7	296·0	June 13	282·3	271·6	Dec. 20	285·0	−0·9	284·8	2179	+575
552a	Leh	34 10	77 42	3503	665·6	..	− 0·5	286·1	302·2	July 15	272·2	255·5	Jan. 3	279·1	+0·3	278·2	134	+ 50
559	Hankow	30 35	114 17	37·0	1013·1	1017·5	+ 0·4	293·9	310·2	Sept. 2	285·8	265·5	Jan. 4	289·9	−0·2	289·6	769	−364
560	Tientsin	39 10	117 10	5·0	1016·6	1017·2	− 0·1	290·3	312·9	June 29	280·2	255·7	Jan. 6	285·3	−0·3	284·8	443	− 90
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1016·5	0·0	293·4	310·7	July 3	283·4	262·1	Jan. 8	288·4	−0·6	287·5	1049	− 93
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1007·9	1016·2	− 0·1	287·2	308·0	Aug. 3	279·3	253·5	Jan. 8	283·3	−1·0	282·7	767	−190
562a	Nagasaki	32 44	129 52	133	999·5	1015·4	0·0	291·7	307·5	Aug. 1	284·7	268·7	Jan. 8	288·2	−1·0	287·7	1359	−544
563	Kioto	35 1	135 44	42·9	1009·2	1014·4	− 0·1	292·5	310·2	July 25	281·2	263·6	Dec. 27	286·9	−0·2	286·4	1429	−165
564	Tokio	35 41	139 45	21·3	1010·3	1012·9	− 1·2	291·5	307·2	July 27	282·4	266·4	Dec. 27	287·0	−0·3	286·6	1307	−254
565	Kanayama	37 53	140 46	24·6	1009·6	1012·6	− 1·5	289·1	308·3	July 26	280·0	264·2	Jan. 10	284·5	+0·1	284·4	1515	+ 68
566	Miyako	39 38	141 59	30·4	1008·2	1011·9	− 1·6	289·4	308·3	July 13	278·9	260·8	Jan. 12	284·1	+0·4	283·4	1327	− 77
		N.	E.															

YEAR—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1015·8	1017·1	+ 0·4	299·6	303·0	Aug.	294·0	288·0	Jan. Feb.	296·8	+0·2	296·7	1057	+256
614	La Paz	24 10	110 20	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 5	1427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 38	1809	823·1	..	+2·0	..	308·3	June 2	..	274·0	Dec. 21	..	+0·2	291·5	314	−332
616a	Monterry	25 40	100 19	535	954·7	1015·3	..	..	312·0	May 3	..	271·4	Feb. 2	..	..	294·7	242	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	302·5	May	..	269·0	Nov.	..	+1·1	289·4	327	−220
618	Galveston	29 18	94 50	16·5	1016·2	1018·3	+ 1·5	296·3	306·9	July 12	290·7	269·7	Feb. 2, Dec. 30	293·5	−0·5	293·3	545	−626
618a	New Orleans	29 58	90 4	16·2	..	1018·3	+ 1·2	297·9	309·7	July 10	289·0	265·8	Dec. 30	293·4	−0·1	293·0	1016	−465
619	Merida, Yuc	20 58	89 41	22	1013·2	1015·7	..	..	310·0	May 22	..	286·7	Feb. 8	..	..	‡298·0	707	−422
620	Havana	23 8	82 21	24·3	..	1017·3	+ 1·5	300·7	305·4	May 27, July 27	294·2	284·1	Feb. 3	297·4	−0·1	297·3	818	−235
620a	Key West	24 33	81 48	6·7	1016·5	1017·2	+ 0·7	300·4	306·3	Aug. 17	294·8	279·7	Feb. 3	297·6	−0·7	297·2	731	−320
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·1	+ 0·8	300·2	305·2	July, Aug, Sept.	295·1	285·2	Feb. 3	297·6	−0·2	297·6	969	..
622	Watling Island	24 6	74 26	33·5	..	..	..	..	..	..	..	289·1	Feb. 3	..	..	..	..	..
633	Izaña	28 19	16 30	2367	769·1	..	..	285·5	300·9	July 6	277·8	266·9	Feb. 7, 9	281·7	..	281·1	386	− 75
634	La Laguna	28 28	16 20	547	954·3	1017·4	− 1·8	293·7	312·9	July 21	285·3	276·4	Mar. 22	289·5	0·0	288·9	569	..
637	Insalah	27 8	W 2 27	?280	..	..	..	..	321·5	June 23	..	270·8	Nov. 30	..	..	..	..	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	999·0	1010·5	− 1·2	307·6	319·8	June 17	291·9	279·4	Dec. 25	299·7	+0·6	298·8	..	..
644	Tor	28 14	33 37	1·9	1010·4	1010·6	− 1·0	300·6	312·0	Aug. 3, 4, 10	290·1	279·0	Jan. 24, 25 Dec. 27	295·3	+0·1	294·8	..	..
647	Bushire	28 59	50 53	4·3	1008·6	1009·1	− 1·2	300·8	315·6	July 14	293·2	280·1	Jan. 9	297·0	−0·1	296·4	214	− 68
648	Jask	25 44	57 47	4·0	1008·6	1009·1	− 0·7	303·5	314·3	July 13	294·9	283·6	Dec. 19	299·2	−0·5	298·6	152	+ 46
649	Robat	29 45	60 55	?	907·1	..	..	303·3	318·7	July 28	286·7	265·9	Dec. 31	295·0	..	..	49	..
649a	Karachi	24 53	66 57	4·0	1008·7	1009·2	− 0·5	302·1	308·6	Oct. 22, 24	294·9	282·5	Dec. 30	298·5	+0·1	297·9	144	− 54
650	Hyderabad, Sind	25 24	68 18	29·3	1004·8	1008·1	− 0·7	306·2	316·8	June 20	293·1	279·3	Dec. 30	299·7	−0·5	299·1	250	+ 69
650a	Jacobabad	28 17	68 29	56·7	1001·6	1008·1	− 0·4	307·4	323·4	June 11	292·1	275·7	Dec. 31	299·7	−0·2	299·1	277	+186
651	Jaipur	26 56	75 52	436	960·4	1009·5	− 0·5	303·2	315·5	June 8	290·7	278·1	Dec. 21	296·9	−1·8	296·3	1316	+705
652	Nagpur	21 8	79 5	310	974·2	1009·2	− 0·4	304·6	313·7	June 1	292·7	281·9	Dec. 24	298·6	−1·3	298·1	1405	+158
653	Allahabad	25 25	81 51	94·1	997·9	1008·7	− 0·2	303·7	315·1	June 1	291·8	276·9	Jan. 9	297·8	−1·1	297·1	1156	+161
653a	Darjiling	27 3	88 18	2266	775·1	..	− 0·7	288·8	297·1	Aug. 7	281·8	272·2	Jan. 1	285·3	+0·6	285·1	3624	+553
654	Calcutta	22 36	88 23	6·4	1007·9	1008·5	− 0·5	303·3	312·5	Apr. 28	294·6	281·5	Jan. 6	298·9	+0·1	298·6	1794	+220
655	Gauhati	26 8	91 41	59·7	1003·7	1010·5	− 0·1	302·3	310·3	May 27	292·2	279·7	Jan. 7	297·3	+0·2	296·5	2030	+433
655m	Cherrapunji	25 15	91 42	1314	867·3	..	− 0·4	293·3	300·4	Sept. 6	286·8	276·4	May 2	290·1	−0·1	289·5	9850	−561
655a	Akyab	20 11	92 56	6·1	1008·7	1009·3	− 0·7	..	?310·1	Apr. 26	293·6	283·1	Jan. 2	..	..	‡297·2	5742	+880
656	Mandalay	21 59	96 0	76·2	1001·5	1010·2	− 0·1	306·7	317·0	May 19	294·8	282·0	Jan. 3	300·8	0·0	300·2	989	+151
656a	Tengyueh	24 59	98 35	1633	832·6	..	..	293·6	301·3	Aug. 6	282·5	268·6	Dec. 31	288·1	..	287·4	1157	..
657	Phu Lien	20 48	106 37	116	998·0	1011·5	+ 0·2	298·7	310·0	June 23	292·5	278·9	Jan. 9	295·6	−1·0	295·0	1371	−291
658	Moncay	21 31	107 51	9	1011·0	1012·0	+ 0·5	298·8	308·0	Sept. 3	291·6	276·4	Jan. 11, 12	295·2	−0·9	294·5	2945	+250
659	Hong Kong	22 18	114 10	33·2	..	1012·7	+ 0·1	297·2	305·7	July 13	292·7	276·8	Jan. 9	294·9	−0·4	294·7	2070	− 62
660	Amoy	24 27	118 4	ca.3	1014·0	1014·3	− 0·1	297·0	308·0	July 12, Aug. 26	291·5	277·4	Jan. 10	294·3	−0·5	294·1	1452	+217
661	Taihoku, Formosa	25 2	121 31	9·3	1013·0	1014·1	+ 0·3	298·1	309·3	Aug. 3	290·4	276·3	Feb. 10, Dec. 27	294·3	−0·8	293·8	2404	+290
661a	Santo Domingo	20 28	121 59	18·7	..	1009·5	− 0·7	300·9	306·8	June 14, 15	295·4	287·8	Dec. 30	298·2	−0·7	298·0	4053	+949
662	Naha	26 13	127 41	10·5	1012·8	1014·0	+ 0·3	298·0	307·4	July 6	290·9	278·6	Feb. 11	294·5	−0·8	294·3	2156	+ 22
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1013·7	1014·2	− 0·1	298·4	307·3	Aug. 14	292·3	280·6	Feb. 12	295·3	−0·6	295·0	1887	+302
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 108 and 109. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 108 and 109.

YEAR—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a	a.		a.	a.	a.	mm.	mm.
715	Colima	19 14	103 47	507	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 12	1939	..	..	..	..	?304·6	May 26	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·7	1013·6	+ 0·6	294·9	303·9	May 30	281·2	271·8	Nov. 25	288·0	−0·4	287·5	552	− 77
718	Oaxaca	17 3	96 45	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718a	Salina Cruz	16 12	95 12	56·3	1006·8	1013·2	..	302·4	308·0	Mar. 14	295·9	289·9	Dec. 24	299·2	..	298·7	1253	..
719	San Salvador	13 42	89 12	‡665	938·5	1013·1	+ 2·1	306·1	312·4	Mar. 13	289·5	283·2	Dec. 24	297·8	−0·7	295·5	1778	+ 83
720	Belize	17 29	88 12	5·2	1014·3	1014·9	+ 2·0	302·5	306·3	May 5	..	..	..	..	..	‡297·1	1749	−602
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·5	+ 1·0	302·7	306·1	July 13	294·2	289·0	Jan. 20	298·4	−0·4	297·8	1265	−114
722	Port au Prince	18 34	72 22	37·4	1010·6	1014·9	+ 0·8	304·4	308·2	July 20	294·2	290·1	Feb. 23	299·3	−0·7	298·6	1545	+166
723	Caracas	10 30	66 55	‡1010	901·0	..	+ 0·5	297·5	302·6	Apr. 14, May 16	287·0	280·6	Feb. 8	292·2	−1·6	291·2	830	+ 17
724	Montserrat	16 41	62 9	39·6	1010·5	1015·0	0·0	303·0	306·9	May 14	295·0	290·2	Apr. 6	299·0	..	298·5	1730	..
724a	Grenada (Richmond Hill)	12 5	61 45	155	994·7	1012·7	+ 0·3	301·9	305·8	Sept. 20	295·8	292·4	Mar. 3	298·8	−0·1	298·3	1842	− 85
725	Barbados	13 8	59 36	55·2	..	1014·0	+ 0·2	302·3	304·5	May 1, 12, 20 June 18	294·7	289·6	Mar. 28	298·5	−0·2	298·2	1285	− 9
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·7	1014·0	− 0·2	298·3	303·6	Sept. 24	293·7	289·0	Feb. 12	296·0	−0·5	296·7	70	− 85
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·2	1013·8	− 0·5	300·1	305·2	Oct. 23	295·2	291·2	Dec. 12	297·7	+0·2	297·7	176	−112
733	Bathurst	13 24	16 36	1·5	..	1013·4	+ 0·7	302·2	309·7	Apr. 3	..	..	..	..	−0·1	299·4	1007	−222
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	..	315·8	Apr. 14, 28, 29 May 4, 13, 16	..	286·3	Jan. 3, 14, 17 Sept. 27, 28	300·5	−0·7	..	1168	+358
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 1	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	..	?319·1	Apr. 4, 21	293·1	284·7	Apr. 9	..	..	‡303·5	476	−169
738	Kaduna Capital	10 32	7 25	637	..	..	..	304·7	311·3	Mar., Apr.	291·8	280·8	Jan. 4	298·3	+0·3	297·8	1302	− 44
739	Katagum	12 17	10 22	30·7	..	..	..	309·7	317·4	Mar. 31	291·7	282·4	Jan. 3, 4, 5	300·7	+0·3	300·2	463	− 44
740	Maiduguri	11 47	13 11	361	..	..	..	310·4	318·0	Mar. 26	293·0	283·6	Jan. 2	301·7	+0·5	301·2	557	− 33
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	..	..	..	..	..	..	..	..
743	El Obeid	13 11	30 14	569	945·6	1009·0	− 0·7	307·0	314·5	Mar. 23, 30	289·6	278·2	Jan. 3	298·3	−0·2	298·2	370	+ 14
743a	Khartoum	15 37	32 33	390	964·5	1008·0	− 0·6	309·5	316·0	May 22, June 17	294·4	281·0	Jan. 4	301·9	−0·2	302·0	76	− 54
744	Port Sudan	19 37	37 13	5·9	1008·4	1009·0	− 1·0	306·4	319·5	July 24	296·0	287·5	Mar. 12	301·2	+0·1	300·9	25	− 74
745	Berbera, Somaliland	10 22	45 2	9·2	1010·1	1011·2	+ 0·7	307·8	318·0	Aug. 11	298·3	290·2	Nov. 7, 22	303·1	+0·4	302·9	14	− 51
746	Aden	12 45	45 3	28·7	1006·3	1009·6	− 1·4	303·9	310·3	June 15	298·3	292·7	Feb. 24	301·1	−0·2	300·6	29	− 30
751	Bombay	18 54	72 49	11·3	1008·6	1009·8	− 1·0	302·7	306·6	Apr. 1, June 4	296·8	290·1	Dec. 31	299·7	+0·1	299·3	2536	+708
751a	Cochin	10 58	76 21	2·7	1010·3	1010·5	− 0·9	303·8	308·0	Feb. 9	296·8	292·9	Jan. 26	300·3	−0·1	299·7	2835	− 58
752	Kodaikanal	10 14	77 28	2343	770·1	..	− 0·9	291·1	298·1	Apr. 14	283·0	275·8	Jan. 6	287·1	−0·3	287·1	1715	+147
752a	Bangalore	12 59	77 38	920	909·7	1010·2	− 0·7	301·8	308·4	May 25	290·8	284·0	Dec. 27	296·3	−0·2	295·4	902	− 2
753	Madras	13 4	80 14	6·7	1009·0	1009·7	− 0·8	305·1	313·7	May 26	296·8	289·0	Feb. 19	300·9	−0·3	300·3	1301	+ 43
754	Waltair	17 45	83 16	68·9	1001·3	1009·1	− 0·5	303·3	310·5	May 28	296·3	288·3	Dec. 25	299·8	−0·5	299·2	1068	+121
755	Port Blair	11 40	92 40	17·7	1007·9	1009·9	− 0·6	303·0	306·9	Apr. 17	297·6	293·4	Jan. 2	300·3	−0·5	299·7	2638	−372
756	Rangoon	16 46	95 48	5·5	1009·7	1010·4	− 0·3	304·9	311·9	May 7	295·6	288·6	Dec. 10	300·2	−0·1	299·1	2347	−131
757	Saigon	10 47	106 42	11·2	1007·3	1008·5	− 0·8	304·7	309·8	Apr. 28	295·7	289·3	Dec. 10	300·2	−0·4	299·6	2552	+623
758	Nhatrang	12 15	109 12	3·6	1008·8	1009·2	− 0·5	302·9	309·2	July 16	295·5	289·6	Dec. 9	299·2	−0·8	298·7	2245	+850
759	Bolinao	16 24	119 53	9·7	..	1007·2	− 1·4	305·1	308·8	Mar. 13	296·4	292·0	Feb. 1	300·7	0·0	300·1	2149	−484
761	Vigan	17 34	120 23	12·2	..	1008·4	− 0·8	304·6	308·7	June 12	296·0	288·5	Feb. 10	300·3	+0·1	300·1	2479	− 93
761a	Manila	14 35	120 59	14·2	..	1008·9	− 0·8	304·5	309·0	May 15	295·6	291·0	Feb. 24	300·1	−0·3	299·3	2330	+388
762	Ormoc	11 0	124 36	5·6	..	1008·6	− 0·5	304·5	307·5	May 16	295·4	291·8	Apr. 13	299·9	+0·1	299·2	1944	−280
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1009·0	+ 0·3	302·8	306·0	May 15	297·0	293·4	Feb. 10	299·9	−0·1	299·9	2505	+165
		N.	E.															

YEAR—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Mean Max. A.	Absolute Max.	Date	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	Diff. from Normal.	†24 hr. Mean.*	Total.	Diff. from Normal
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	303·9	306·9	May 13	296·8	294·3	July 24	300·4	−0·1	299·6	1204	−1530
821	Colon	9 23	79 23	11·0	..	1011·9	+ 1·0	301·2	305·2	Apr. 14	296·8	293·0	June 19	299·0	−0·5	298·6	2989	−289
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	1236	+242
822a	Merida, Venez	8 36	71 9	1641	‡842·2	..	..	296·0	300·0	Aug. 19, 20	287·5	284·0	Jan. 4, 5	291·8	..	290·7	2177	..
824	El Peru, Guayanavieja	7 30	62 0	220	985·6	1010·7	0·0	302·2	306·6	May 2, 6, 8	..	290·7	Jan. 2	..	..	..	1492	+ 76
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·9	+ 1·2	302·1	304·7	July 17, Aug. 5	296·6	294·1	Dec. 17	299·3	−0·4	299·0	2262	+ 28
826	Paramaribo	5 49	55 9	3·7	..	..	..	302·9	305·7	Nov. 6	‡294·0	‡290·5	Dec. 30	‡298·5	−0·3	298·3	2145	−193
826a	Cayenne	4 56	52 21	6	..	..	..	..	?307·8	Nov. 1, 5, 7	..	?293·0	Jan., Mar., Dec.	..	..	..	..	..
833	Conakry	9 31	13 43	16	..	..	..	..	308·1	May 11	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·2	1012·1	+ 0·3	303·8	309·7	Mar. 25	296·1	293·0	Feb. 14	300·0	−0·2	298·7	3323	−618
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	1428	..
836	Accra	5 33	W 0 12	25·7	..	..	..	303·2	..	..	297·2	..	..	300·2	+1·0	299·8	1123	..
837	Lagos	6 27	E 3 24	1·8	1011·7	1011·9	− 1·0	304·1	313·2	May	296·7	293·6	Dec.	300·4	+0·6	299·9	2933	+1113
838	Zungeru	9 48	6 10	130	..	..	..	307·1	313·0	Mar. 18, 24 April 14	294·8	286·3	Dec. 5, 6	300·9	+0·5	300·4	1098	− 35
838a	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
839	Yola	9 12	12 30	259	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Wau	7 42	28 3	440	959·2	1008·6	− 0·5	307·3	314·0	Mar. 22, 24	292·5	285·5	Jan. 8, 9	299·9	−0·4	298·7	1107	+ 19
843	Mongalla	5 11	31 47	439	960·7	1010·0	+ 1·3	..	314·0	Mar. 27	293·5	289·0	Dec. 2	..	−0·4	298·7	951	− 36
843a	Malakal (Kodok)	9 35	31 37	394	964·9	1009·3	+ 0·3	307·2	316·0	Mar. 22	..	?286·0	Mar. 14	..	..	298·3	1128	+365
844	Entebbe	0 5	32 29	1171	883·7	..	− 0·2	299·7	303·0	Nov. 20, 23, 24	290·3	288·1	Nov. 9	295·0	+0·5	294·2	1412	− 61
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
851	Minicoy	8 17	72 49	2·1	1011·5	1011·7	?+0·2	..	..	..	..	..	..	..	..	..	1693	+122
852	Colombo Observatory	6 54	79 53	7·3	1008·4	1009·2	− 0·1	302·9	306·2	Feb. 7	296·5	291·0	Dec. 29	299·7	−0·6	299·1	1828	−328
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	293·2	299·1	Apr. 21	283·4	272·9	Jan. 25	288·3	+0·2	287·5	2403	+ 36
854	Trincomalee	8 34	81 14	30·2	1004·7	1008·1	− 0·1	304·5	309·9	May 23	297·2	293·1	Dec. 30	300·9	−0·3	300·3	1634	+ 46
855	Kota Radja	5 32	95 20	7·1	..	1009·0	− 1·6	..	..	..	..	..	..	..	..	..	1499	−167
856	Medan	3 35	98 41	25·0	..	1009·1	− 1·3	303·4	308·1	Sept. 5	294·1	291·1	Jan. 4	298·7	..	297·9	2222	+179
857	Penang	5 34	100 20	5·0	1008·1	1008·7	− 1·5	304·7	307·4	Feb. 3 Apl. 13, 17	295·6	291·3	Nov. 8	300·1	−0·4	299·5	2422	−309
858	Singapore	1 17	103 51	3	1008·5	1008·8	− 1·0	303·4	306·6	Oct. 27	296·3	294·1	Jan. 20, Feb. 22	299·8	−0·4	299·3	2921	+506
859	Sandakan	5 50	118 7	31·7	..	..	..	304·3	307·4	July 13	296·4	294·7	Jan. Sept. Nov.	300·3	−0·1	299·8	3102	+ 54
860	Iwahig	9 44	118 38	4·3	..	1006·9	− 1·2	304·2	307·1	Apr. 30	294·9	291·8	Jan. 3	299·5	..	298·7	3265	..
861	Tagbilaran	9 38	123 51	21·3	..	1008·3	− 0·6	304·3	307·5	May 9	295·8	293·4	Feb. 25	300·0	−0·6	299·2	..	..
861a	Menado	1 30	124 50	8·5	..	1008·8	− 0·2	302·6	306·6	Aug. 8	295·8	293·3	Aug. 19	299·2	..	298·6	3614	+960
862	Surigao	9 48	125 29	6	..	1008·3	− 0·6	303·5	306·6	Apr. 2	296·3	294·2	Mar. 16	299·9	−0·3	299·3	2689	−376
863	Yap	9 29	138 8	31·9	..	1007·7	0·0	305·4	307·7	Dec. 16	297·1	294·5	Feb. 9	301·3	+0·2	300·3	2857	− 72
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm

* For formulæ employed *see* pages 110 and 111. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 110 and 111.

YEAR—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	1011·6	1012·5	+ 2·1	303·9	305·8	Apr. 2	295·8	291·3	Jan. 17	299·9	−1·2	*299·1*	419	−235
924	Manaos	3 8	60 1	43·8	..	..	..	304·1	310·0	Nov. 4	296·0	293·4	Dec. 5	300·1	−1·1	*299·1*	2162	+511
926	Taperinha	2 30	54 42	20·0	1009·3	1011·6	..	302·8	307·5	Nov. 6	294·8	292·2	Aug. 9	298·8	..	*297·7*	2098	+696
927	Turyassu	1 43	45 27	15·1	1009·7	1011·4	+ 0·1	304·7	309·2	Nov. 8	294·8	292·4	Julyr, Aug.8	299·7	−0·7	*298·3*	2854	+520
928	Barra do Corda	5 31	45 16	81·0	1001·1	1010·5	− 0·3	304·6	308·6	Sept. 30	292·9	285·0	Aug. 3	298·7	−1·0	*297·5*	1527	+793
929	Quixeramobim	5 16	39 15	207	988·7	1012·3	0·0	303·9	308·5	Oct. 18	296·6	292·6	July 11	300·3	−1·0	*299·4*	1451	+570
930	Fernando Noronha	3 50	W32 55	106	1000·4	1012·7	− 0·5	300·4	302·5	Nov. 25	296·6	293·6	Mar. 1	298·5	..	*298·0*	1659	
939	Loanda	8 49	E 13 13	59·3	..	1012·1	− 0·1	298·9	304·2	Apr. 18	294·5	289·5	Aug. 17	296·7	+0·1	296·6	533	+245
940	Brazzaville	4 17	15 16	290	978·7	1011·7	− 0·6	303·9	310·0	Apr. 14	292·3	287·0	July 30	298·1	−0·1	*297·3*	993	−378
943	Masaka	0 21	31 47	?1280	..	..	..	297·7	301·9	Mar. 17	287·9	284·7	Dec. 25	292·8	−0·2	*292·4*	865	−157
944	Nairobi	1 14	36 44	1800	..	..	..	295·3	302·4	Apr. 6	..	277·4	Jan. 9	..	−1·0	‡*288·9*	1494	+493
944*a*	Zanzibar	6 10	39 11	21·9	1012·5	1015·0	− 0·7	301·7	305·9	Mar. 5	297·5	294·9	Feb. 4	299·6	+0·2	*298·9*	1459	−159
945	Lamu	2 16	40 50	3·1	..	..	..	304·6	308·0	Oct. 16	296·5	294·7	{July, Sept., Dec.}	300·6	+0·5	*300·1*	935	−109
947	Seychelles, Port Office	4 37	55 27	4·6	1010·6	1011·1	− 0·6	300·8	303·2	Mar. 14	298·1	295·1	Aug. 25	299·4	−0·2	*299·0*	1682	−748
957	Padang	0 56	100 22	6·7	..	1010·2	− 0·9	303·5	305·9	Feb. 8, July 15	296·0	293·0	June 15	299·7	..	299·1	4300	−226
958	Batavia	6 11	106 50	8·0	1008·4	1009·3	− 0·7	302·7	305·8	Nov. 18	296·2	294·4	Dec. 31	299·5	−0·1	299·0	2165	+381
958*a*	Pontianak	0 1	109 20	2·6	..	1009·4	− 0·8	303·4	306·9	May 31, June 19	296·2	293·7	Jan. 2	299·8	..	298·9	3420	+206
959	Passercean	7 38	112 55	5·0	..	1009·1	− 0·8	303·5	306·1	Aug., Oct., Nov.	295·7	292·1	July 31	299·6	−0·2	299·3	1725	+443
960	Kajoemas	7 56	114 9	1060	..	..	..	296·6	304·2	Oct. 7	290·8	288·7	June 25	293·7	..	292·9	3911	+1429
962	Ambon	3 42	128 10	4·2	..	1009·0	− 0·4	302·5	306·1	Nov. 21, Dec. 4	296·5	294·2	July 21	299·5	+0·5	299·0	4600	+1194
963	Manokwari	0 52	134 20	19·0	..	1008·0	− 0·8	302·4	304·6	Feb. 27, Mar. 4	296·1	294·2	May 22	299·3	..	298·9	2081	−480
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
967																		
968	Rendova	8 30	157 12	1·8	1009·0	1009·2	+ 0·4	..	..	..	..	..	..	..	..	..	4155	+284
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·6	1009·8	+ 0·8	303·9	308·7	Feb. 17	297·1	?292·7	Mar. 25	300·5	0·0	*300·3*	3742	+812
970	Ocean Island	0 52	169 35	20·0	..	1007·7	− 0·2	304·1	305·8	Jan. 13, Feb. 13	297·4	295·2	six months	300·7	−0·3	*300·0*	361	−1692
		S.	E.															

YEAR—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1012·2	+ 2·2	301·8	303·7	Mar. 3	295·6	290·2	Aug. 6	298·7	−0·3	298·3	3219	+275
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·1	308·6	Jan. 20	..	..	..	..	..	..	2163	+213
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	288·7	June 25	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·6	..	+ 0·4	292·0	296·3	Oct. 28	281·1	276·8	Sept. 19	286·6	−0·8	*285·8*	148	+52
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	282·0	Aug.	..	..	..	..	..
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	729·7	..	..	..	296·5	Dec. 23	..	271·2	May 22, Sept. 17	..	..	*284·5*	735	+70
1025	Corumba	19 0	57 39	116	997·6	1011·1	..	307·7	312·5	Dec. 25	..	..	..	..	..	..	..	..
1026	Cuyaba	15 36	56 6	165	992·1	1011·0	+ 0·5	302·2	308·8	Sept. 28	295·1	283·2	May 31	298·7	−1·0	*298·5*	1609	−361
1027	Bello Horizonte	19 55	43 55	857	919·4	1015·4	+ 0·2	298·4	305·0	Sept. 28, Oct. 13	287·6	276·4	July 18	293·0	−0·2	*292·8*	1185	−214
1028	Caetite	14 2	42 39	900	915·7	1015·8	+ 0·2	299·2	306·6	Oct. 27	289·5	282·5	June 4	294·3	−0·2	*294·8*	910	−350
1029	Ondina (Bahia)	13 0	38 30	46·6	1008·7	1014·1	− 0·2	301·5	306·0	Feb. 5	294·7	289·8	Aug. 27	298·1	−0·3	*297·5*	1962	+124
1030	Aracaju	10 55	37 3	4·0	1013·9	1014·3	− 0·2	301·5	305·5	Apr. 11	295·6	291·8	Sept. 2	298·5	−0·3	*298·8*	1346	−3
1035	St. Helena	15 57	W 5 40	632	945·9	1017·6	− 0·1	293·8	301·9	Mar. 18	286·7	283·5	Sept. 5	290·3	+0·6	*290·0*	1255	+433
1042	Gwelo	19 27	E 29 49	1417	861·4	..	− 1·4	299·8	309·7	Nov. 1, 2	284·4	273·0	July 18	292·1	+0·6	..	527	+239
1043	Salisbury, Rhodesia	17 48	31 5	1457	856·8	..	− 1·4	300·1	310·2	Oct. 4	283·8	274·1	July 18	291·9	+0·4	..	616	−147
1044	Zomba	15 23	35 18	‡945	907·6	1012·6	− 1·0	299·7	308·0	Nov. 4, 11, 13	288·6	282·4	June, July	294·1	+0·4	*293·8*	1345	−207
1045	Tananarivo	18 55	47 32	1400	864·9	..	− 0·5	296·7	303·1	Nov. 20, 22	285·7	278·4	Aug. 22	291·2	−0·1	*290·2*	1347	−52
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	−13
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·4	1011·0	− 1·0	301·8	304·7	Feb., Mar., Nov.	297·4	293·8	July 20	299·6	−0·2	*299·2*	2350	+242
1056																		
1057	Christmas Island	10 25	105 43	5·5	1007·1	1007·7	− 1·3	303·3	305·8	Jan., Feb., Mar.	296·5	294·1	July, August, September	299·9	−0·2	*299·3*	2581	+364
1058																		
1061	Koepang	10 10	123 34	45·1	..	1009·4	− 0·6	304·0	308·9	Oct. 29	295·5	290·2	June 24	299·7	..	299·3	1911	+448
1061*a*	Derby	17 18	123 40	16·2	1008·7	1010·7	− 0·5	305·6	314·7	Oct. 6	294·5	282·4	June 26, 27	300·1	−0·3	..	1267	+579
1062	Hall's Creek	18 13	127 46	374	969·3	1010·7	− 0·9	305·9	314·1	Dec. 1	290·7	274·8	June 27	298·3	−0·3	*297·7*	505	+35
1063	Port Darwin	12 28	130 51	29·6	1005·5	1008·8	− 0·7	305·3	309·3	Sept. 11	296·7	288·8	May 28	301·0	−0·2	*299·9*	2195	+627
1064	Daly Waters	16 16	133 23	211	984·6	1008·1	− 1·9	306·8	314·1	4 months	292·5	279·7	May 27	299·7	−0·2	*299·1*	640	−20
1065	Mein	13 13	142 47	122	994·8	1008·5	− 0·9	304·5	311·1	Sept. 18	294·2	284·4	May 14	299·3	+0·1	*298·6*	1533	+322
1066	Georgetown, Queensland	18 22	143 32	302	?977·5	?1011·3	− 0·4	304·4	311·3	Oct. 24	291·3	275·2	June 21, 22, 23	297·9	−0·3	..	1097	+255
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8	178 26	16·8	1010·9	1012·8	0·0	301·2	305·4	Jan. 6	294·6	289·1	Aug. 14	297·9	−0·1	*297·7*	4127	+1273
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 111 and 112.

YEAR—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	299·7	303·8	Jan. 17	293·9	286·3	June 6	296·8	+0·2	*296·6*	2646	+677
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·8	1017·0	+ 0·9	290·4	295·7	Jan. 18	285·1	280·0	July 10	287·7	+0·3	*287·4*	79	−56
1122	Iquique	20 12	70 11	9	1014·8	1015·9	+ 0·8	295·4	301·2	Feb. 12	285·9	281·6	July 27, 28	290·7	−0·4	*290·9*	1	0
1123	Catamarca	28 27	65 47	529	..	1012·1	+ 1·1	301·2	321·1	Dec. 30	286·2	272·0	July 10	293·7	−0·2	293·3	295	−31
1124	Salta	24 46	65 28	1178	883·6	1013·2	+ 1·3	296·7	309·7	Jan. 22	282·2	268·6	May 31	289·5	−0·3	290·1	633	+22
1125	Goya	29 9	59 15	26	..	1015·3	+ 1·7	301·3	318·6	Jan. 20	286·8	273·0	May 29	294·0	+1·3	294·1	504	−553
1126	Asuncion	25 21	57 37	95	‡1004·9	‡1016·0	+ 1·2	301·3	314·0	Jan. 20	288·6	272·8	Aug. 23	294·9	−1·3	294·3	994	−265
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1008·5	1015·8	+ 0·7	297·6	308·0	Jan. 28, Feb. 3	292·3	286·3	June 5	294·9	−1·2	294·6	817	−306
1139	Windhoek	22 34	E 17 6	1665	..	..	..	295·8	305·5	Nov. 15	284·9	273·2	July 20	290·3	−1·7	*290·3*	400	+24
1140																		
1141	Kimberley	28 42	24 47	1202	882·6	..	− 1·1	298·0	310·9	Jan. 16	282·6	268·7	July 3	290·3	−0·5	289·8	397	−49
1142	Johannesburg	26 11	28 4	1806	823·8	..	− 1·0	292·9	304·0	Jan. 18	282·1	271·1	Aug. 9	287·5	−0·8	*287·1*	1181	+381
1142*a*	Pretoria	25 45	28 12	1338	870·9	..	− 0·1	296·2	305·9	Nov. 2	283·1	271·0	July 4	289·7	−0·9	*289·3*	1014	+255
1143	Durban	29 52	31 3	15·2	1016·7	1018·5	− 0·9	297·2	304·1	Jan. 5, May 26	289·5	281·1	July 3	293·3	−0·3	*292·8*	2172	+1123
1144	Lorenzo Marques	25 58	32 36	59	..	1016·3	− 0·8	299·7	313·5	Jan. 6	290·4	282·4	July 4, 10	295·1	−0·5	294·7	1140	+393
1147	Mauritius	20 6	57 33	55·2	1008·8	1015·3	− 0·8	299·5	304·6	Dec. 18	292·2	285·2	Aug. 22	295·9	−0·5	295·5	1201	−60
1159	Onslow	21 43	114 57	4·3	1009·6	1010·5	− 1·2	303·6	317·9	Jan. 19	290·4	277·4	Aug. 11	297·0	−0·5	..	284	+68
1160	Peak Hill	25 38	118 47	588	944·8	1010·1	− 1·9	300·8	314·2	Jan. 18	287·9	275·1	Aug. 10	294·3	−1·1	..	330	+67
1161	Nullagine	21 53	120 5	386	967·5	1010·2	− 1·4	304·6	316·9	Dec. 17	288·9	273·3	June 20	296·7	−1·0	..	468	+134
1162	Laverton	28 40	122 23	466	961·0	1013·6	− 1·6	298·7	315·2	Dec. 15	285·3	273·3	May 17	292·0	−1·1	*291·9*	285	+36
1163	Alice Springs	23 38	133 37	587	946·6	1011·9	− 1·2	300·6	313·8	Dec. 25	285·8	270·8	June 18, 19	293·2	−0·7	*293·2*	230	−55
1164	William Creek	28 55	136 21	76·2	1005·0	1013·9	− 1·7	299·7	318·6	Dec. 29	285·9	270·8	June 19	292·8	−0·5	*292·5*	151	+17
1164*a*	Boulia	22 55	139 38	146	994·5	1011·0	− 0·7	303·5	316·8	Dec. 30	287·9	273·1	Aug. 3, 4	295·7	−1·1	*295·7*	576	+291
1165	Thargomindah	27 58	143 43	123	998·5	1012·4	..	299·9	316·4	Dec. 30	287·4	273·6	June 19	293·7	..	*293·4*	299	+3
1166	Mitchell	26 32	147 52	336	..	..	..	298·9	313·6	Jan. 11	283·6	268·0	July 6	291·2	−1·1	..	797	+182
1167	Rockhampton	23 24	150 30	11·3	1012·1	1013·4	− 1·2	300·4	310·1	Dec. 26	289·6	277·2	June 29	295·0	−0·8	*294·3*	994	−21
1168	Brisbane	27 28	153 2	11·6	1013·8	1015·2	− 0·7	298·2	310·9	Jan. 10	287·6	276·0	June 30	292·9	−0·6	*292·1*	1039	−116
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	281·5	July 12	..	..	..	..	..
1170	Norfolk Island	29 5	167 53	15·2	1013·8	1015·2	− 0·9	294·8	301·8	Feb. 5	289·9	283·3	June 20	292·3	+0·1	*291·9*	1825	+419
		S.	E.															

YEAR—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	..	..	..	..	280·0	Aug. 25	..	..	..	667	−237
1221*a*	Punta Tumbes	36 37	73 6	91	‡1006·3	‡1017·4	+ 0·5	289·4	301·4	Feb. 2	282·0	275·5	May 26	285·7	0·0	*285·6*	284	−234
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1012·2	1017·1	+ 0·6	291·9	304·2	Feb. 1	283·3	278·0	July 22	287·6	−0·8	*287·2*	360	−128
1222*a*	Santiago	33 27	70 42	520	955·9	1016·5	+ 0·7	295·8	307·7	Feb. 2	280·0	272·2	Aug. 1	287·9	+0·2	*286·7*	203	−161
1223	Cordoba	31 25	64 12	423	965·6	1014·7	+ 1·2	298·7	318·6	Jan.	282·6	267·0	Aug.	290·7	+0·2	290·1	598	−106
1224	Bahia Blanca	38 45	62 15	25	..	1015·3	+ 1·8	295·0	314·2	Jan. 11	283·1	269·5	Aug. 4	289·0	+0·4	288·8	393	−145
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1016·5	+ 0·8	294·2	311·9	Jan. 18	283·9	271·0	Aug. 22	289·0	−0·7	289·0	856	−86
1226	Montevideo (Prado)	34 52	56 12	24·9	1014·0	1016·9	+ 1·4	..	315·8	Jan. 18	..	271·4	July 7	..	−0·2	289·0	707	−260
1226*a*	Porto Alegre	30 2	W51 13	23·5	1014·3	1017·1	+ 1·3	297·1	312·6	Dec. 30	285·9	271·5	July 11	291·5	−1·1	291·1	650	−590
1239	Cape Town	33 56	E 18 29	12·2	..	1016·9	− 0·4	294·9	309·8	Apr. 11	285·4	276·3	June 14	290·2	+0·5	*288·8*	646	−3
1240	Danger Point	34 37	19 18	19·5	..	..	..	291·8	301·1	Apr. 11	285·6	278·6	July 28, Sept. 23	288·7	..	..	524	..
1241	Heidelberg	34 5	20 58	30·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1242	East London	33 2	27 53	9·8	1015·1	1016·3	− 0·8	295·2	308·0	Apr. 14	286·7	280·2	June, July, Aug.	290·9	−0·3	..	921	+70
1259	Perth (Observatory)	31 57	115 51	60·0	1007·2	1014·6	− 1·8	294·8	311·9	Feb. 27	285·6	275·2	July 28	290·2	−0·7	*290·0*	1161	+300
1260	Katanning	33 42	117 35	310	978·3	1014·5	− 1·6	293·3	314·2	Jan. 16	282·1	272·4	Aug. 21	287·7	−0·9	..	652	+188
1261	Coolgardie	30 57	121 10	423	965·5	1014·0	− 1·8	296·3	315·4	Jan. 18	283·4	272·9	Aug. 18	289·9	−1·2	*289·8*	326	+68
1262	Eucla	31 45	128 58	4·6	1013·5	1014·2	− 2·2	293·8	315·7	Dec. 21	284·8	273·0	Aug. 22	289·3	−1·1	*288·8*	326	+72
1263	Streaky Bay	32 48	134 13	13·1	1014·5	1016·0	− 1·2	295·1	315·2	Jan. 18, Dec. 16	284·8	277·1	June 21	289·9	−0·3	*289·3*	524	+145
1264	Adelaide	34 56	138 35	42·7	1009·7	1014·7	− 2·4	294·8	313·1	Jan. 18	284·6	275·6	June 21	289·7	−0·5	*289·4*	733	+201
1265	Melbourne	37 49	144 58	35·1	1009·9	1014·1	− 2·2	292·1	311·3	Dec. 22	283·2	272·7	June 22	287·7	0·0	287·0	776	+129
1266	Bourke	30 13	145 58	110	1003·3	1016·1	+ 0·4	300·3	319·1	Jan. 8	285·3	271·9	June 19, Aug. 4	292·8	−0·8	..	411	+59
1267	Sydney	33 52	151 12	44·5	1009·2	1014·5	− 1·4	293·9	310·8	Dec. 23	286·3	277·5	Aug. 2	290·1	−0·2	*289·7*	1331	+116
1268	Lord Howe Island	31 32	159 4	4·6	1014·3	1014·9	..	295·4	302·2	Jan. 11	289·2	281·1	Sept. 14	292·3	..	..	1270	−431
1271	Auckland	36 50	174 50	38·1	..	1013·8	..	291·6	298·6	Jan. 15	285·5	278·3	Aug. 27	288·5	+0·4	..	1883	+773
1272	Napier	39 32	176 53	21·3	..	1014·4	+ 0·7	292·5	304·1	Feb. 17	283·6	275·2	{June 2, 7 July 14}	288·1	+0·8	..	1131	+233
		S.	E.															

YEAR—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1321	Isla Huafo	43 34	74 45	140	999·1	1016·1	+ 0·4	285·3	291·7	Mar. 14	281·3	274·8	July 7	283·3	+0·5	*283·2*	851	−241
1322	Punta Galera	40 1	73 44	40	1012·8	1017·7	+ 1·2	286·9	293·6	Feb. 17	281·4	275·4	July 2	284·1	−0·1	*284·5*	1821	−396
1323	Sarmiento	45 30	69 0	274	..	1010·1	..	291·0	305·4	Nov. 17	279·3	264·0	Aug. 21	285·2	+1·1	284·7	77	−69
1324	Puerto Madryn	42 49	W64 58	14	..	1012·7	..	294·1	311·6	Jan. 14	281·3	268·6	Aug. 12	287·7	+0·7	287·2	104	−49
1365	Launceston	41 27	E147 10	9·4	1010·2	1011·4	− 1·9	291·2	306·5	Dec. 23	281·0	271·0	May 26	286·1	+0·5	*285·3*	986	+268
1366	Hobart	42 53	147 22	53·9	1004·0	1010·6	− 2·0	289·4	308·4	Jan. 19	281·3	272·4	May 28	285·3	−0·1	*284·5*	780	+178
1370	Invercargill	46 25	168 21	5·5	..	..	..	288·4	303·0	Jan. 29	278·8	267·4	June 25	283·6	+0·6	..	1179	−5
1371	Dunedin	45 52	170 31	91·4	..	1009·1	− 2·4	288·5	303·0	Jan. 20	280·7	271·9	June 13	284·6	+1·5	..	1078	+141
1371*a*	Christchurch	43 31	172 38	7·6	..	1012·2	− 0·9	289·6	302·9	Mar. 17	280·9	271·2	Aug. 11	285·2	+0·4	..	715	+72
1372	Wellington	41 16	174 46	2·4	..	1014·1	+ 0·6	290·2	300·5	Jan. 31	283·9	273·9	Aug. 16	287·0	+1·1	..	1113	−122
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

YEAR—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	997·0	1003·8	+ 1·4	281·5	285·6	Feb. 5	278·1	272·5	Aug. 19	279·8	+0·3	*279·6*	3440	+397
1422	Puerto de Punta Arenas	53 10	70 54	4	1002·3	1002·8	+ 1·5	283·6	298·0	Nov. 21	276·0	267·2	Aug. 22	279·8	+0·5	*279·9*	537	+ 19
1423	Punta Dungeness	52 24	68 26	5	1002·7	1003·3	+ 1·9	285·8	294·0	Feb. 9	275·5	270·7	Aug. 13	280·7	+1·1	*281·3*	268	+ 26
1424	Santa Cruz	50 11	68 21	12	..	1006·6	+ 1·1	288·2	306·0	Feb. 6	277·5	266·0	June 14	282·9	+0·9	282·5	154	+ 12
1424*a*	Año Nuevo	54 39	64 9	50	994·1	1000·2	+ 1·5	280·9	287·4	Feb. 6	276·8	270·2	Sept. 3	278·9	+0·9	278·8	647	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	627	− 15
1426	Cape Pembroke	51 41	57 42	21	..	1004·5	+ 2·7	282·6	296·9	Feb. 7	276·4	270·2	Aug. 20, 21	279·5	+0·8	279·8	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	998·5	999·0	+ 1·8	278·8	294·5	Feb. 9	271·8	260·4	Sept. 7	275·3	+0·2	*275·5*	1025	−320

YEAR—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys.	S. 60 44	W. 44 39	7	992·6	993·5	+ 1·2	272·9	282·2	May 30	266·8	240·4	Sept. 8	269·9	+1·2	269·7	342	− 94
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

SUMMARY OF RESULTANT WINDS FOR THE YEAR, 1917.

	St. Helena.		Fanning Island.	Sierra Leone.	Entebbe.	Malden Island.	Tulagi.	Ocean Island.	Suva, Fiji.
Resultant	140°(89)†	..	115°(86)†	195°(23)†	265°(59)†	95°(90)†	130°(44)†	85°(90)†	105°(29)†
Normal	141°(89)†	7·3*	105°(73)†	272°(22)†	255°(33)†	81°(81)†	134°(47)†	100°(43)†	96°(53)†

* Mean velocity of the South East Trade Wind at 632 metres.
† Direction and "constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—YEAR 1917.

* *Kara Sea* was unnavigable.

* *Barents Sea.*—The ice came much further S. than usual.

* *Spitsbergen.*—The 1916–17 winter ice broke up much later than usual and the 1917–18 winter ice formed earlier than usual.

* *Greenland Sea.*—The conditions were normal except that until May the ice extended very far E. in the N. Later the ice was normal in the N. and there was only a little in the S.

* *Iceland.*—Little ice was seen on the coasts; the edge of the polar ice was about 60 miles offshore during the summer.

* *Denmark Strait.*—Off Angmagsalik the ice was scarce from July to October, but unusually thick from November.

North Atlantic and Labrador.—Icebergs and floes were less abundant than usual during the summer on the Newfoundland Banks.

* *Davis Strait and Baffin Bay.*—There was much less ice than usual in all parts; in August the sea was free W. of Cape Farewell. No "Storis" was observed at Godthaab and little at Frederikshaab. Icebergs were about normal in Davis Strait.

* *Melville Bay.*—The sea was open as early as April and the Bay was open from July to November, but for drift ice.

* *Smith Sound.*—There was some open water from June and in July the ice broke up as far N. as North Star Bay. The Sound was again covered from November.

* *Bering Sea.*—There was a little ice in May and none in June and July.

**Isforholdene i de Arktiske Have*, 1917, 1918, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, 1917.

TABLE SHOWING THE AUTHORITIES FOR THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1917 AND THE PERIOD OF THE NORMALS, TOGETHER WITH THE HOURS OF OBSERVATION, FORMULÆ FOR MEANS, ETC.

Between Latitude 80° N. and 70° N. **P** = Barometric Pressure, **T** = Temperature, **R** = Precipitation. ZONE 1.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
105	Barrow	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1917.	..	..
123	Inglefield Bay	Copenhagen, Dansk Meteor. Aarbog, 1917.	**P,** 9–14 yrs., 1853–1919.	**P** = $\frac{1}{3}$ (8+14+21). True mean **T** = $\frac{1}{3}$ [2 (8+14)+5×21]. No registering thermometers.
124				
125	Upernivik	Do. do.	**P, T, R,** 1875–1916.	§**P** = $\frac{1}{3}$ (8+14+21). True mean **T** = $\frac{1}{3}$ [2 (8+14)+5×21].
126				
139	Spitsbergen (Green Harbour)	Kristiania, Jahrb. d. Norweg. Meteor. Institutts, 1917, 1918.	**P,** 15 yrs., 1872–1921. **T, R,** Dec., 1911–June, 1921.	§**P** = mean of 24 hrs. No max. ther.
140				
141	Gjesvaer	Do. do., 1917.	**P,** (1851–1900). **T,** 1841–1917. **R,** 1883–1912.	§ **P** = $\frac{1}{3}$ (I+II+III) + corr. to reduce to mean of 24 hrs. True mean **T** = *n* − *k* (*n* − min.) where *n* is the mean of the three fixed daily observations and *k* is a factor varying with the station and month. No max. ther.
142	Mehavn	Do. do.	**P, T, R,** 1898–1917.	
143	Vardö	Do. do.	**P,** (1851–1900). **T,** 1841–1921. **R,** 1893–1921.	
147	Malye Karmakouly	MS. data supplied by Central Phys. Obs., Petrograd.	**P, T,** 1896–1920 (incomplete).	§**P** = $\frac{1}{3}$ (7+13+21). True mean **T** derived from these hours. No max. ther.
148	Waigatz	Do. do.	**P,** (1871–'95).	§**P** = $\frac{1}{3}$ (7+13+21). True mean **T** derived from these hours.

Between Latitude 70° N. and 60° N. ZONE 2.

202	Gambel	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1917.	..	..
203	Nome	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1917, and Rep. of Chief of Weather Bureau, 1917–18.	**P,** (1901–20). **T,** 1907–16. **R,** 14 yrs., 1906–20.	**P** = $\frac{1}{2}$ (6+18). True mean **T** = $\frac{1}{4}$ (6+18+M+*m*).
204	Candle	See No. 202.	..	..
205	Tanana	See No. 203.	**P,** (1901–20). **T,** (1901–18). **R,** 11–14 yrs., 1905–20.	**P** = $\frac{1}{2}$ (7+19). True mean **T** = $\frac{1}{4}$ (7+19+M+*m*).
206	Rampart	See No. 202.	**R,** 1905–10; '13–20.	..
207	Valdez	See No. 203.	**P,** (1901–20). **T,** (1898–1916). **R,** 1909–20.	**P** = $\frac{1}{2}$ (7+19). True mean **T** = $\frac{1}{4}$ (7+19+M+*m*).
208	Eagle	See No. 202.	**P,** (1901–20). **T,** (1900–18). **R,** 12–17 yrs., 1882–1920.	**P** = $\frac{1}{2}$ (8+19).
209	Dawson	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1917.	**P,** 1902–18. **T,** 1901–18. **R,** 1898–1914.	§ø**P** = $\frac{1}{2}$ (8+16+20) 135th meridian time.
210	Carcross	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1917, and MS. data.	**T,** 10 yrs., **R,** 1907–17.	..
211	Fort Good Hope	See No. 209.	..	§ø**P** = $\frac{1}{2}$ (8+16$\frac{1}{2}$).
212	Fort Simpson	Do.	**T,** unknown. **R,** 8–14 yrs., 1897–1914.	§ø**P** = $\frac{1}{2}$ (8+17).
213	Hay River	Do.	**T,** unknown.	§ø**P** = $\frac{1}{2}$ (8+17$\frac{1}{2}$).
225	Jacobshavn	Copenhagen, Dansk Meteor. Aarbog, 1917.	**P, R,** 1874–1916. **T,** 1874–1919.	§**P** = $\frac{1}{2}$ (8+14+21). True mean **T** = $\frac{1}{3}$ [2(8+14)+5×21].
226	Godthaab	Do. do.	**P, T, R,** 1874–1916 (incomplete).	§ Do. do.
227	Ivigtut	Do. do.	**P, T,** 1880–1917. **R,** 1875–1917.	§**P** = $\frac{1}{2}$ (8+14+20). True mean **T** = $\frac{1}{7}$ (8+14+5×20).
229	Angmagsalik	Do. do.	**P,** 1894–1916. **T,** 1895–1916. **R,** 1897–1916.	§**P** = $\frac{1}{2}$ (8+14+21). True mean **T** = $\frac{1}{3}$ [2(8+14)+5×21].
231	Stykkisholm	Do. do.	**P,** 1851–1900. **T,** 1846–1900. **R,** 1856–1916.	§ Do. do.
232	Vestmanno	Do. do.	**P,** (1851–1900). **T,** 1878–1916. **R,** 1881–1916.	§ Do. do.
233	Grimsey	Do. do.	**T,** 1875–1916. **R,** 36–43 yrs., 1874–1916.	True mean **T** = $\frac{1}{3}$ [2(8+14)+5×21].
233*a*	Akureyri	Do. do.	**P,** (1851–1900).	§**P** = $\frac{1}{2}$ (8+14+21).
234	Berufjord	Do. do.	**P,** (1851–1900). **T, R,** 1873–1916.	§**P** = $\frac{1}{2}$ (8+14+21). True mean **T** = $\frac{1}{3}$ [2(8+14)+5×21].
235	Thorshavn	Do. do.	**P, T, R,** 1871–1916.	§ Do. do.
236	Lerwick	London, Monthly Weather Rep. of Meteor. Office, 1917.	**P,** 1871–1915. **T, R,** 1881–1915.	§**P** = $\frac{1}{2}$ (7+13+21). M.S.L. reduced to 24 hrs. True mean **T** = $\frac{1}{4}$ (7+13+2×21).
237	Bergen (Met. Obs.)	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1917.	**P,** (1851–1900). **T,** 1861–1910. **R,** 1765–70; 1861–1921.	§ See Gjesvaer No. 141.
238	Christiansund	Do. do.	**P,** (1851–1900). **T,** 1841–1917. **R,** 1867–71; '76–1912.	
239	Trondhjem	Do. do.	**P,** (1851–1900). **T,** 1841–1917. **R,** 1885–1912.	
240	Bodö	Do. do.	**P,** (1851–1900). **T,** 1841–1917. **R,** 1869–1912.	
241	Haparanda	Stockholm, Meteor. Iakttagelser i Sverige, 1917.	**P,** (1851–1900). **T,** 1859–1900. **R,** 1860–1910.	§**P** = $\frac{1}{2}$ (8+14+21) Mid-European time. True mean **T** derived from these hours.
242	Helsingfors	Helsingfors, Ergebn. d. Beob. an Stationen II Ordnung, 1917.	**P,** (1851–1900). **T,** 1845–56; '82–1915. **R,** 1844–1915.	§**P** = $\frac{1}{2}$ (7+14+21). True mean **T** derived from these hours.
242*a*	Kuopio	Do. do.	**P,** (1851–1900). **T,** 1884–1915. **R,** 1893–1915.	§**P** = $\frac{1}{2}$ (7+14+21). True mean **T** = $\frac{1}{4}$ (7+14+2×21).
243	Kola	MS. data supplied by Central Phys. Obs., Petrograd.	**P,** (1851–1917). **T,** 1876–1908; '10–15. **R,** 1878–1908; '11–13.	§**P** = $\frac{1}{2}$ (7+13+21). True mean **T** derived from these hours.
244	Petrozavodsk	Do. do.	**P,** (1851–1917). **T,** 55 yrs., 1857–1915.	§ Do. No max. ther.
245	Arkhangelsk	Do. do.	**P,** 1851–1917. **T,** 1813–1917. **R,** 1871–1917.	§ See No. 243.
246	Mezen	Do. do.	**P,** 1871–1908. **T, R,** 1883–1908.	§ Do.
247	Oust-Tsylma	Do. do.	**P,** 1871–1915. **T,** 23 yrs., 1889–1915.	§ Do.
248	Tcherdyn	Do. do.	**P,** (1851–1900). **T,** 1847–48; '88–1908. **R,** 23 yrs., 1885–1908.	§ Do.
249	Berezov	Do. do.	**P,** (1851–1900). **T,** 47 yrs., 1836–1913. **R,** 29 yrs., 1878–1913.	§ Do. Jan. no max. ther.
250	Obdorsk	Do. do.	**P,** (1851–1900). **T,** 29 yrs., 1882–1913. **R,** 1882–1908; '11–13.	§ Do. June no max. ther.
251	Sourgout	Do. do.	**P,** (1851–1900). **T,** 27 yrs., 1884–1913. **R,** 1884–1908; '11–13.	§ Do. No max. ther.
252				
253	Doudinka	Do. do.	**P,** (1871–'95).	§ Do. No max. ther.

For explanation of symbols *see* page 115.

ZONE 2—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
254	Touroukhansk	MS. data supplied by Central Phys. Obs., Petrograd.	**P,** (1871–'95). **T,** 27 yrs., 1877–1911. **R,** 1877–'91.	§**P**=$\frac{1}{3}$ (7+13+21). True mean **T** derived from these hours. No max. ther.
261	Olekminsk	..	..	..
262	Iakoutsk	See No. 254.	**P,** 1871–1908; 11–13. **T,** 49 yrs., 1829–1913. **R,** 26–36 yrs., 1837–1913.	§See No. 254.
263	Verkholansk	Do. do.	**P,** (1891–1905). **T,** 26 yrs., 1869–1913. **R,** 22 yrs., 1886–1913.	§ Do. do.
264	Oust-Malskoe	..	..	..
271	Markovo-sur-Anadyr	MS. data supplied by l'Obs. Météor., Vladivostok.	**P, T, R,** 14 yrs., 1894–1914.	§**P**=$\frac{1}{3}$ (7+13+21).
272	Novo-Mariinskii Post	..	..	..

ZONE 3

Table showing the Authorities for the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
301	Atka	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1917.	..	..
302	St. Paul Island	Do. do.	**P,** (1901–20).	**P**=$\frac{1}{2}$ (6+18) 165th meridian time.
303	Dutch Harbor	Do. and Rep. of Chief of Weather Bureau, 1917–1918.	**P,** (1901–20). **T,** (1898–1916). **R,** 1905–20.	**P**=$\frac{1}{2}$ (6+18). True mean **T**=$\frac{1}{4}$ (6+18+M+*m*).
304				
305	Dillingham	..	..	..
306	Kodiak (Radio Station)	See No. 303.	**P,** (1901–20). **R,** 16–21 yrs., 1898–1910; '13–20.	**P** = $\frac{1}{2}$ (7+19). True mean **T** derived from these hours. At the Radio station the temperature for Jan.–May is approx. 0·2a above and the rainfall is 84% of that at the Experiment station. The values for the year have been corrected to the Radio station.
309	Sitka	Do.	**P,** (1901–20). **T, R,** 17–19 yrs., 1898–1916.	**P**=20 h. True mean **T** derived from $\frac{1}{2}$ (20+M+*m*).
310	Prince Rupert	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1917.	**P,** 10 yrs., 1911–21. **T,** (24 yrs.). **R,** 11 yrs., 1910–21.	§ø**P**=$\frac{1}{2}$ (5+17). True mean **T**=$\frac{1}{4}$ (5+17+M+*m*). 120th meridian time.
311	Barkerville	Do. do.	**T,** 31 yrs. **R,** 1888–1913.	§ Do. do.
312	Kamloops	Do. do.	**P,** 1900–18. **T,** 27 yrs. **R,** 1892–1913.	§ø**P**=$\frac{1}{2}$ ($4\frac{1}{2}$+$16\frac{1}{2}$). True mean **T**=$\frac{1}{4}$ ($4\frac{1}{2}$+$16\frac{1}{2}$+M+*m*). 120th meridian time.
313	Calgary	Do. do.	**T,** 34 yrs. **R,** 1884–1917.	ø**P**=$\frac{1}{2}$ ($5\frac{1}{2}$+$17\frac{1}{2}$). True mean **T**=$\frac{1}{4}$ ($5\frac{1}{2}$+$17\frac{1}{2}$+M+*m*). 105th meridian time.
314	Fort Chipewyan	Do. do.	**T, R,** 20 yrs.	§ø**P**=$\frac{1}{2}$ (8+18). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
315	Prince Albert	Do. do.	**P,** 1900–18. **T,** 34 yrs. **R,** 1884–1917.	§ø**P**=$\frac{1}{2}$ (6+18). True mean **T**=$\frac{1}{4}$ (6+18+M+*m*). 105th meridian time.
316	Qu'Appelle	Do. do.	**P,** 1900–13: '15–18. **T,** 34 yrs. **R,** 1883–1917.	§ø**P**=$\frac{1}{2}$ (6+18). True mean **T**. Feb., Aug. to Dec. and Year derived from $\frac{1}{4}$ (6+18+M+*m*). 105th meridian time.
317	Minnedosa	Do. do.	**P,** 1895–1918. **T,** 35 yrs. **R,** 1883–1917.	§ø**P**=$\frac{1}{2}$ (7+19). True mean **T**=$\frac{1}{4}$ (7+19+M+*m*). 90th meridian time.
318	Berens River	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1917, and MS. data.	**T,** 25 yrs. **R,** 1886–1917.	..
318a	Port Nelson	See No. 310.	..	§ø**P**=$\frac{1}{2}$ ($7\frac{3}{4}$+$18\frac{1}{2}$). 75th meridian time.
319	Fort Hope	See No. 318.	**T,** unknown. **R,** 17 yrs.	ø**P**=$\frac{1}{2}$ (7+19). True mean **T**=$\frac{1}{4}$ (7+19+M+*m*). Height deduced from mean pressure.
320	Moose Factory	See No. 310.	**P,** 1901–18. **T,** unknown. **R,** 1878–1907 (incomplete).	§ø**P**=$\frac{1}{2}$ (9+14+19). 80th meridian time.
321	Fort George	MS. data supplied by Meteor. Service, Toronto.	..	..
322	Mistassini Post	See No. 318.	..	..
323	Hebron	Hamburg, Deutsche Ubersee. Meteor. Beob., 23.	**P,** 1883–1912 (incomplete).	§**P**=$\frac{1}{3}$ (7+14+21) approx. True mean **T**=$\frac{1}{4}$ (7+14+2×21).
324	Natashquan	See No. 318.	..	..
326	Belle Isle	See No. 310.	**P,** 1900–09; '11–13; '17–18. **T,** 1888–1918. **R,** 35 yrs.	§ø**P**=$\frac{1}{2}$ ($8\frac{3}{4}$+$20\frac{3}{4}$). 60th meridian time. True mean **T**=$\frac{1}{4}$ ($8\frac{3}{4}$+$20\frac{3}{4}$+M+*m*).
334	Cahirciveen (Valencia Obs.)	London, Monthly Weather Rep. of Meteor. Office, 1917.	**P,** 1871–1915. **T, R,** 1881–1915.	§**P**=mean of 24 hrs.
335	Aberdeen	Do. do.	**P,** 1871–1915. **T, R,** 1881–1915.	§ Do.
336	Greenwich	Do. do.	**P,** 1841–1910. **T,** 1841–1915. **R,** 1881–1915.	**P**=mean of 24 hrs.
337	Uccle	Bruxelles, Inst. Royal Météor. de Belgique, Ann. météor., 1918, 1919.	**P,** 1833–1904. **T,** 1886–1910. **R,** 1833–1900.	§**P**=mean of 24 hrs.
338	De Bilt	Utrecht, Nederlandsch Meteor. Inst., Jaarboek, 1917.	**P, T,** 1851–1900. **R,** 1897–1914.	§‡ Do.
338a	Hamburg	Hamburg, D. Seewarte, Ergebn. der Meteor. Beob., 1917.	**P, T,** 1876–1910. **R,** 1867–1916.	§**P**=$\frac{1}{2}$ (8+14+20) reduced to mean of 24 hrs. True mean **T** May–Aug.=$\frac{1}{4}$ (8+20+M+*m*). Sept.–Apr.=$\frac{1}{15}$[5(8+20)+2×14].
339	Copenhagen	Copenhagen, Dansk Meteor. Aarbog, 1917.	**P,** 1842–1917. **T,** 1876–1915. **R,** 1822–1917.	§**P**=$\frac{1}{3}$ (8+14+21). True mean **T** derived from these hours.
340	Potsdam	Berlin, Ergebn. d. Meteor. Beob. in Potsdam, 1917 und 1918.	**P,** 1851–1916. **T,** 1893–1916. **R,** 1877–1916.	§**P**=mean of 24 hrs.
340a	Upsala	Upsala, Bull. mens de l'Obs. météor., 1917.	**P,** 1851–1900. **T,** 1866–1910. **R,** 1860–1910.	§ Do.
341	Warsaw	MS. data supplied by l'Inst. Centr. Météor., Warsaw.	**P, T,** 1851–1900. **R,** 1803–1915 (incomplete).	**P**=$\frac{1}{3}$ (7+13+21).
342	Jurjev	Jurjev, Obs. météor. faites à...en 1917.	**P, T, R,** 1866–1915.	§**P**=mean of tri-hourly observations.
343	Petrograd	MS. data supplied by Central Phys. Obs., Petrograd.	**P, T,** 1851–1900. **R,** 90 yrs., 1778–97; 1835–1915.	§**P**=$\frac{1}{3}$ (7+13+21). True mean **T** derived from these hours.
344	Kiev	Do. do.	**P,** 1871–1915. **T,** 1851–1900. **R,** 1856–1915.	§ Do. do.
344a	Moscow	Do. do.	**P,** 1871–1915. **T,** 1851–1900. **R,** 61–62 yrs., 1853–1915.	§ Do. do.
345	Saratov	Do. do.	**P,** (1851–1900). **T,** 52 yrs., 1836–1915. **R,** 40 yrs., 1855–1915.	§ Do. do. No max. ther.
346	Kazan	Do. do.	**P, T,** 1851–1900. **R,** 53 yrs., 1829–32; '55–58; '70–1915.	§ Do do.
347	Orenburg	Do. do.	**P,** (1851–1900). **T,** 1843–75; '86–1915. **R,** 62 yrs., 1843–'76; '85–1915.	§ Do. do.
348	Perm	Do. do.	**P,** (1851–1900). **T,** 1866–70; '83–1915. **R,** 33 yrs., 1882–1915.	§ Do. do.

ZONE 3 (*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
349	Ekaterinburg	MS. data supplied by Central Phys. Obs., Petrograd.	**P, T,** 1851–1900. **R,** 1836–1915.	§**P**=$\frac{1}{3}$ (7+13+21). True mean **T** derived from these hours.
350	Tobolsk	Do. do.	**P,** 23 yrs., 1885–1913. **T,** 54 yrs., 1832–1913. **R,** 35 yrs., 1841–1913.	§ Do. do. Nov. Abs. Max. from obs. at fixed hrs.
351	Akmolinsk	Do. do.	**P,** 1871–1908; '11–13. **T,** 35 yrs., 1870–1913. **R,** 32 yrs., 1873–1913.	§See No. 349. No max ther.
352	Omsk	Do. do.	**P,** 1871–1908; '10–12. **T,** 26 yrs., 1875–1912. **R,** 28 yrs., 1875–1913.	§ Do. do. do.
353	Barnaoul	Do. do.	**P, T,** 1851–1900. **R,** 1838–1908; '10–13.	§ Do. do.
354	Tomsk	Do. do.	**P,** 1871–1908; '10–13. **T,** 54 yrs., 1837–1913. **R,** 38 yrs., 1874–1913.	§ Do. do. do.
355	Minousinsk	Do. do.	**P,** (1871–1895). **R,** unknown.	§ Do. do. do.
356	Eniseisk	Do. do.	**P,** 1871–1908; '11–13. **T,** 42 yrs., 1853–1913. **R,** 41 yrs., 1871–1913.	§ Do. do. do.
357	Irkutsk	Do. do.	**P,** 1871–1908; '10–13. **T,** 62 yrs., 1830–1913. **R,** 38 yrs., 1873–1913.	§ Do. do do.
358	Kirensk	Do. do.	**P,** (1871–1908; 10–13). **T, R,** 1892–1908; '11–13.	§ Do. do. do.
359	Tchita	Do. do.	**P,** (1871–1908). **T,** 1890–1908; '10, '11, '13. **R,** 24 yrs., 1887–1913.	§ Do. do. do.
360	Blagoveshchensk Priisk	Do. do.	**P,** (1871–1895).	§ Do. do do
360a	Nertchinskii Zavod	Do. do.	**P,** 1871–1908. **T,** 67 yrs., 1839–1908. **R,** 69 yrs., 1839–1908.	§ Do. do. do.
361	Tygan Ourkan	MS. data supplied by l'Obs. Météor., Vladivostok.	..	§ Do. do
362	Blagoveshchensk (Bureau Météor.)	Do. do.	**P,** 1871–1908; '13–14. **T,** 36 yrs., 1859–1913. **R,** 14–24 yrs., 1877–1908.	§ Do. do.
363	Paikanskii Sklad	Do. do.	..	§ Do. do.
364				
365	Nikolaevsk-sur-Amour	Do. do.	**P,** 1871–1908; '11–14. **T,** 1854–1908; '11–14. **R,** 45 yrs., 1860–1914.	Do. do. No max. ther.
366	Okhotsk	Do. do.	**P,** 1871–99; 1911–14. **T,** 25 yrs. **R,** 17 yrs.	§ Do. do.
367				
368	Petropavlovsk (Radio)	Do. do.	**P,** 13 yrs., 1891–1915.	§ Do. do.
371	Attu Island	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1917.	**P,** (1901–20).	**P**=8h.

Table showing the Authorities for the Meteorology of the Globe between Latitude 50° N. and 40° N.

ZONE 4.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
411	Victoria, B.C.	Toronto, Meteor. Service, Monthly Record of Meteor Obs., 1917.	**P,** 1900–18. **T,** 29 yrs. **R,** 1881–1910.	§ø **P**=mean of 24 hrs.
412	Portland, Oregon	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1917–18 and Monthly Weather Rev., 1917.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	**P** reduced to mean of 24 hrs. True mean **T** derived from $\frac{1}{2}$ (8+20).
413	Macleod	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1917, and MS. data.	**T,** 26 yrs. **R,** 1895–1917.	True mean **T** derived from $\frac{1}{2}$ (M+*m*).
414	Helena	See No. 412.	**P,** (1876–1915). **T,** 1880–1905 **R,** 1880–1917.	See No. 412.
414a	Salt Lake City	Do.	**P,** 1876–1915. **T,** 1875–1905. **R,** 1874–1917.	Do.
415	Cheyenne	Do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	Do.
416	North Platte	Do.	**P,** 1876–1915. **T,** 1875–1905. **R,** 1874–1917.	Do.
416a	Bismarck	Do.	**P,** 1876–1915. **T,** 1875–1905. **R,** 1875–1917.	Do.
417	Winnipeg	See No. 411.	**P,** 1900–18. **T,** 45 yrs. **R,** 1872–1917.	§ø **P,** (Jan.–July, Sept.–Dec.) mean of 24 hrs. Aug., $\frac{1}{4}$ (7+14+19) reduced to mean of 24 hrs. True mean **T**=$\frac{1}{4}$ (7+19+M+*m*). 90th meridian time.
418	Duluth	See No. 412.	**P,** 1876–1915. **T, R,** 1904–17.	See No. 412.
419	Port Arthur	See No. 411.	**P,** 1900–18. **T,** 38 yrs. **R,** 1881–1910.	§ø **P**=$\frac{1}{4}$ (7+14+19). True mean **T**=$\frac{1}{4}$ (7+19+M+*m*). 90th meridian time.
420	Chicago	See No. 412.	**P,** 1876–1915. **T,** 1873–1913. **R,** 1871–1917.	See No. 412.
421	Toronto	See No. 411.	**P,** 1900–18. **T,** 78 yrs. **R,** 70 yrs.	§ø **P**=mean of 24 hrs.
422	New York (Central Park)	New York, Rep. of Meteor. Obs., Central Park, 1917.	**P, T, R,** 1868–1917.	§**P**=$\frac{1}{3}$ (7+14+21).
423	St. John, N.B.	See No. 411.	**P,** 1902–18. **T,** 45 yrs. **R,** 1861–1910.	§ø**P**=$\frac{1}{2}$ (9+15+21) 60th meridian time.
424	S.W. Point, Anticosti	Do.	**P,** 1900–18. **T,** 37 yrs. **R,** 1888–1907.	§ø**P**=$\frac{1}{2}$ ($8\frac{1}{2}$+$15\frac{1}{2}$+$20\frac{1}{2}$). True mean **T**=$\frac{1}{4}$ ($8\frac{1}{2}$+$20\frac{1}{2}$+M+*m*). 60th meridian time.
424a	Sable Island (Main Station)	Do.	**P,** 1895–1918. **T,** 36 yrs. **R,** 1889–1917.	§ø**P**=$\frac{1}{2}$(9+14+21). True mean **T**=$\frac{1}{4}$(9+21+M+*m*). 60th meridian time.
425	Port aux Basques	Do.	**P, T, R,** 1909–20.	§ø**P**=$\frac{1}{2}$ (9+21). True mean **T**=$\frac{1}{4}$(9+21+M+*m*). 60th meridian time.
426	St. John's, Newfoundland	Do.	**P,** 1884–1918. **T,** 46 yrs. **R,** 1885–1916.	§ø Do. do.
435	Madrid	Madrid, Anuario del Observatorio, 1919.	**P,** (1851–1900). **T, R,** 1860–1916.	§**P**, true mean **T**=$\frac{1}{6}$ (3+6+9+12+15+18+21+24).
436	Nantes	MS. data supplied by l'Office National Météor., Paris.	**P, T,** 1851–1900. **R,** 1886–1910.	§ Do. do.
437	Paris (Parc St. Maur)	Do. do.	**P, T,** 1851–1900. **R,** 1820–1910.	§**P**=mean of 24 hrs.
438	Marseilles	Do. do.	**P, T,** 1851–1900. **R,** 1867–1918.	§**P**=$\frac{1}{6}$ (7+10+12+16+18+22).

ZONE 5—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
438a	Zürich	Zurich, Ann. Schweiz. Meteor. Zentralanst., 1917.	**P, T,** 1864–1900. **R,** 1864–1913.	§**P**=mean of 24 hrs.
439	Rome	MS. data supplied by R. Uff. Centr. Meteor. e Geodin., Rome.	**P,** 1851–1900. **T,** 1831–1910. **R,** 1826–1910.	**P**=$\frac{1}{8}$ (9+15+21). True mean **T** derived from $\frac{1}{4}$ (9+21+M+*m*).
440	Vienna	Vienna, Monatl. Mitt. d. k.k. Zentralanst., 1917.	**P,** 1851–1900. **T,** 1776–1900. **R,** 1845–1900.	§**P**=mean of 24 hrs.
440a	Buda-Pesth	MS. data supplied by Meteor. es Foldmagn. Intezet, Buda-Pesth.	**P, T, R,** 1871–1920.	**P**=$\frac{1}{8}$ (7+14+21). True mean **T** derived from these hours.
441	Monastir	..	..	..
442	Bucharest	MS. data supplied by Inst. Meteor. Centr., Bucharest.	**P,** (1851–1900). **T,** 1857–1916. **R,** 1864–69; 1871–1916.	§**P**=$\frac{1}{8}$ (8+14+20).
443	Odessa (University)	MS. data supplied by Central Phys.Obs., Petrograd.	**P, T,** 1851–1900. **R,** 69 yrs., 1841–1915.	§**P**=$\frac{1}{8}$ (7+13+21). True mean **T** derived from these hours.
444	Kharkov (University)	Do. do.	**P,** (1851–1900). **T, R,** 1877–1915 (incomplete).	§ Do. do.
444a	Novorossiisk	Do. do.	**P,** (1851–1900). **T,** 1872–85; '88–1915. **R,** 1892–1908; '11–13.	§ Do. do.
445	Tiflis	Do. do.	**P, T,** 1851–1900. **R,** 71 yrs., 1844–1915.	§ Do. do.
446	Astrakhan	Do. do.	**P, T,** 1851–1900. **R,** 68 yrs., 1846–1915.	§ Do. do.
447	Fort Alexandrovsk	Do. do.	**P,** (1851–1900). **T,** 55 yrs., 1848–1913. **R,** 40 yrs., 1848–1913.	§ Do. do. No max. ther.
448	Krasnovodsk	Do. do.	**P,** (1851–1900). **T,** 34 yrs., 1869–1914. **R,** 25 yrs., 1870–1908.	§ Do. do.
449	Aralskoe More	Do. do.	**P,** (1871–1908; '10–17). **T,** (31 yrs., 1877–1913).	§ Do. do.
450	Tachkent	Do. do.	**P,** 1871–1908; '10–17. **T, R,** 1877–86; '92–1908; '11–13.	§ Do. do.
451	Narynskoe	Do. do.	**T,** 25 yrs., 1885–1913.	Do. do. No max. ther.
452	Vernyi	Do. do.	**P,** (1871–1895).	§ Do. do.
461	Mukden	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1917.	**P, R,** 1906–18. **T,** 1906–19.	§**P,** true mean **T**=$\frac{1}{8}$ (2+6+10+14+18+22).
462	Joshin	Do. do.	**P, R,** 1906–18. **T,** 1906–19.	§ Do. do.
463	Yuki	Do. do.	..	§ Do. do.
464	Vladivostok	MS. data supplied by l'Obs. Météor., Vladivostok.	**P,** 1876–1921. **T, R,** 1873–1921.	§**P**=$\frac{1}{8}$ (7+13+21).
465	Ochiai	See No. 461.	**P, R,** 1908–17. **T,** 1910–22.	§See No. 461.
466	Nemuro	Do.	**P, T, R,** 1886–1920.	§**P**=mean of 24 hrs.
466a	Syana	Do.	**P, T, R,** 1902–21.	§See No. 461.

ZONE 5 (Western Half).

Table showing the Authorities for the Meteorology of the Globe between Latitude 40° N. and 30° N.

511	San Francisco	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1917–18 and Monthly Weather Rev., 1917.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	**P** reduced to mean of 24 hrs. True mean **T** derived from $\frac{1}{2}$ (8+20).
512	San Luis Obispo	Do. do.	**P,** (1876–1915). **T,** 1895–1905. **R,** 1871–1917.	Do. do.
513	San Diego	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	Do. do.
514	Modena	Do. do.	**P,** (1876–1915). **T, R,** 1901–17.	Do. do.
515	Santa Fé	Do. do.	**P,** (1876–1915). **T,** 1873–82; '85–1905. **R** 1871–1917.	Do. do.
516	Denver	Do. do.	**P,** 1876–1915. **T,** 1973–1905. **R,** 1872–1917.	Do. do.
517	Abilene	Do. do.	**P,** (1876–1915). **T,**1886–1905. **R,** 1885–1917.	Do. do
518	Saint Louis.	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	Do. do.
519	Mobile	Do. do.	Do. do.	Do. do.
520	Nashville	Do. do.	Do. do.	Do. do.
521	Charleston	Do. do.	Do. do.	Do. do.
522	Washington	Do. do.	Do. do.	Do. do.
523				
524	Bermuda	Meteor. obs. taken at Prospect, Bermuda, 1917.	**P,** 64 yrs., 1852–1922. **T,** 49 yrs. **R,** 55 yrs., 1852–1918.	§**P**=$\frac{1}{8}$ (9+15). This approximates to a 24 hr. mean. True mean **T**=$\frac{1}{4}$ (9+21+M+*m*).
530	Santa Cruz (Flores)	MS. data supplied by Meteor. Service, Azores.	**P,** 1907–22. **T, R,** 1911–22.	**P**=mean of 24 hrs. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
531	Horta	Do. do.	**P,** (1866–1915). **T,** 1902–16. **R,** 1902–12; 14–16.	**P**=mean of 24 hrs.
532	Ponta Delgada	Do. do.	**P,** 1866–1915. **T,** 1866–1916.	
532a	Faja da Cima	Do. do.	**R,** (1865–1914).	Do.
533	Madeira (Funchal)	Lisbon, Obs. Infante de Luis, Resumo das observações, 1917.	**P, T, R,** 1864–1918.	§**P**=$\frac{1}{8}$ (9+15+21). True mean **T**=$\frac{1}{4}$ (9+21+M+*m*).
534				
535	Lisbon	Do. do.	**P, T, R,** 1871–1910.	§ Do. do.
536	Gibraltar	MS. data at M.O.	**P, T, R,** 1852–1920.	§**P**=$\frac{1}{8}$ (7+13+21). True mean **T**=$\frac{1}{4}$ (7+13+2×21).
536a	Melilla	Madrid, Res. obs. efect. en las Estaciones del Servicio Meteor. Español, 1917.	**P, T, R,** 1908–17.	§**P**=$\frac{1}{8}$ (8+16). True mean **T** (July–Dec.) derived from these hours; (Jan.–June and Year) derived from $\frac{1}{2}$ (M+*m*). By comparison, the pressures appear about 2·5 mb. too high. This correction has been applied.

Between Latitude 40° N. and 30° N.

ZONE 5 (Eastern Half).

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
537	Palma	Madrid, Res. obs. efect. en las Estaciones del Servicio Meteor. Español, 1917.	**P, R,** 1870–1916. **T,** 1881–1916.	§**P**=$\frac{1}{2}$ (8+16).
538	Algiers (Bouzaréah)	MS. data supplied by l'Office National Météor., Paris.	**P, T, R,** 1894–1914.	§**P**=$\frac{1}{8}$ (3+6+9+12+15+18+21+24).
539	Tunis	Do. do.	**P,** (15 yrs., 1887–1917). **T,** 18 yrs., **R,** 25 yrs., 1887–1914.	§**P**=$\frac{1}{4}$ (7+13+19). True mean **T**=$\frac{1}{4}$ $\left(7+13+19+\frac{19+m}{2}\right)$. A correction of −3·3 mb. has been applied to the pressure values. See additions and corrections.
539a	Malta	Malta, Meteor. obs., 1917.	**P,** 1883–1914. **T,** 1853–65; 1904–19. **R,** 1853–1919.	**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
540	Riposto	Riposto, Osservatorio Meteor., Bollettino Mensile, 1917.	**P,** 1898–1922. **T,** 1875–1919. **R,** 1880–1905.	**P** $\frac{1}{2}$ (9+15+21). True mean **T** derived from these hours.
541	Athens	MS. data supplied by Obs. Meteor. Astr., Athens.	**P,** 1841–1910 (incomplete). **T,** 1858–1914. **R,** 1858–1911.	§**P**=mean of 24 hrs.
542	Alexandria	Cairo, Phys. Dept., Meteor. Rep., 1917.	**P,** 1872–1920. **T,** 1901–20. **R,** 1891–1920.	§**P**=$\frac{1}{8}$ (8+14+20). True mean **T** derived from $\frac{1}{4}$ (8+14+20+*m*).*
543	Cairo (Helwan)	Do. do.	**P,** 1904–20. **T,** 1904–17. **R,** 15 yrs.	§**P**=mean of 24 hrs.
544	Nicosia (P.W.D.)	MS. data supplied by Physical Dept., Cairo.	**P,** 1907–20. **T, R,** 1888–1914.	**P**=$\frac{1}{2}$ (8+15).
544a	Beirut	MS. data supplied by the Observatory, American University, Beirut.	**P,** 1876–1910. **T, R,** 1876–1905.	**P**=$\frac{1}{4}$ (8$\frac{1}{2}$+14$\frac{1}{2}$+20$\frac{1}{2}$). True mean = $\frac{1}{8}$ (8$\frac{1}{2}$+14$\frac{1}{2}$+20$\frac{1}{2}$+2×M+3×*m*).
545	Baghdad	Calcutta, India Weather Review, 1917.	**P,** 1896–1910. **T, R,** see current data.	‡**P**=8h. True mean **T** derived from this hour.
546	Busrah	Do. do.	Do. do.	‡**P**=8 h.
546a	Lenkoran	MS. data supplied by Central Phys. Obs., Petrograd.	**P,** 1881–1915. **T,** 1870–84; '92–1915. **R,** 1847–56; '73–1915.	**P**=$\frac{1}{8}$ (7+13+21). True mean **T** derived from these hours. No max. ther.
547	Teheran	See No. 545.	See current data.	‡True mean **T** derived from $\frac{1}{2}$ (M+*m*).
548	Meshed	Do.	Do.	‡
549	Seistan	Do.	..	‡
550	Quetta	Do.	See current data.	‡
551	Peshawar	Do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
551a	Lahore	Do.	Do.	‡ Do. do.
552	Simla.	Do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (10+16).
552a	Leh	Do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
559	Hankow	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1917.	**P, T,** 1906–19. **R,** 1900–19.	‡ Do. do.
560	Tientsin	Do. do.	**P, T,** 1906–19. **R,** 1904–19.	§**P**=$\frac{1}{8}$ (6+14+22). True mean **T** derived from these hours.
561	Shanghai (Zi-Ka-Wei)	Zi-Ka-Wei, Revue Mensuelle de l'Observatoire, 1917.	**P,** 1873–1918. **T, R,** 1873–1919.	§ Do. do.
562	Jinsen (Chemulpo)	Jinsen, Ann. Rep. Meteor. Obs., Chosen, 1917.	**P, R,** 1888–1915. **T,** 1888–1922.	**P**=mean of 24 hrs.
562a	Nagasaki	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1917.	**P, T, R,** 1886–1920.	§ Do.
563	Kioto	Do. do.	**P, T, R,** 1881–1910.	§ Do.
564	Tokio	Do. do.	**P. T, R,** 1886–1920.	§ Do.
565	Kanayama	Do. do.	**P, T, R,** 1898–1919.	§**P,** true mean **T** =$\frac{1}{8}$ (2+6+10+14+18+22).
566	Miyako	Do. do.	**P, T,** 1886–1910. **R,** 1886–1915.	§ Do. do.

Table showing the Authorities for the Meteorology of the Globe between Latitude 30° N. and 20° N.

ZONE 6.

605	Honolulu	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1917–18.	**P,** 1905–21. **T,** 1892–1916. **R,** 1892–1903; '05–17.	§**P**=$\frac{1}{2}$ (8+20). True mean **T**=$\frac{1}{4}$ (8+20+M+*m*).
614	La Paz	Tacubaya, Obs. Meteor. Centr., Boletin Mensual, 1917.	..	§**P,** true mean **T**=$\frac{1}{8}$ (7+14+21).
615	Chihuahua	..	..	..
616	Leon	See No. 614.	**P,** 1882–1906. **T, R,** 1878–1906.	§**P**=$\frac{1}{8}$ (7+14+21). True mean **T** derived from these hours.
616a	Monterry	Do. do.	..	§ Do. do.
617	Tulancingo	Mexico, Soc. Cient., "Antonio Alzate," Mem. 40, 1922, p. 485.	**T, R,** 1911–14; '16–21.	..
618	Galveston	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1917–18, and Monthly Weather Rev., 1917.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	**P,** reduced to mean of 24 hrs. True mean **T** derived from $\frac{1}{2}$ (8+20).
618a	New Orleans	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	Do. do.
619	Merida, Yuc.	See No. 614.	..	§**P,** true mean **T**=$\frac{1}{4}$ (7+14+21).
620	Havana	Habana, Obs. Meteor. del Colegio de Belen, 1917.	**P,** 1876–1915. **T,** 1897–1914. **R,** 1859–1917.	**P**=$\frac{1}{10}$(4+6+8+10+12+14+16+18+20+22). True mean **T**=$\frac{1}{12}$[4+6+8+10+12+14+16+18+20+22+$\frac{1}{2}$(4+22)].
620a	Key West	See No. 618.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	**P,** reduced to mean of 24 hrs. True mean **T** derived from $\frac{1}{2}$ (8+20).
621	Nassau, Bahamas	MS. data at M.O.	**P,** (1876–1915). **T,** 15 yrs., 1902–19. **R,** 57 yrs., 1852–1919.	**P**=$\frac{1}{8}$ (8+15). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
622	Watling Island	Do.	**P,** (1873–1899).	§**P,** true mean **T**=$\frac{1}{4}$ (2+8+12+16+22). Extreme temperatures taken from readings of the dry bulb at these hours.
633	Izaña	Madrid, Res. obs. efect. en las Estaciones del Servicio Meteor. Español, 1917.	..	**P**=$\frac{1}{4}$ (7+14+21). True mean **T**=$\frac{1}{4}$ (7+14+2×21).
634	La Laguna	Do. do.	**P,** 37 yrs.,1869–1916. **T,** 29 yrs.,1881–1916. **R,** 38 yrs., 1869–1916.	†§**P**=$\frac{1}{2}$ (8+16).

ZONE 6—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
637	Insalah	MS. data supplied by l'Office National Météor., Paris.	**T,** 11 yrs., 1903–14.	True mean **T**=$\frac{1}{4}$ [(7+13+19+$\frac{1}{2}$ (19+*m*)].
641	Siwa	..	..	..
642				
643	Aswan	Cairo, Physical Dept., Meteor. Rep., 1917.	**P, T,** 1901–20.	§**P**=$\frac{1}{2}$ (8+14+20). True mean **T**=$\frac{1}{4}$ (8+14+20+*m*).* No rain-gauge, as rainfall is practically unknown.
644	Tor	Do. do.	**P, T,** 1905–20.	§ Do. do.
647	Bushire	Calcutta, India Weather Review, 1917.	See current data.	‡**P** (Jan. and April)=7 h. Other months **P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
648	Jask	Do. do.	Do.	‡**P**=8 h. Jan. **P**=7 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
649	Robat	Do. do.	..	‡**P**=8 h.
649*a*	Karachi	Do. do.	See current data	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
650	Hyderabad, Sind	Do. do.	Do.	‡ Do. do.
650*a*	Jacobabad	Do. do.	Do.	‡ Do. do.
651	Jaipur	Do. do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (10+16).
652	Nagpur	Do. do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
653	Allahabad	Do. do.	Do.	‡ Do. do.
653*a*	Darjiling	Do. do.	Do.	‡ Do. do.
654	Calcutta	Do. do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (10+16).
655	Gauhati	Do. do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
655*m*	Cherrapunji	Do. do.	Do.	††**P**=8 h.
655*a*	Akyab	See No. 647.	Do.	‡**P**=8 h. True mean **T** (Jan.–June, Aug.–Dec.) derived from $\frac{1}{2}$ (M+*m*), (July and Year)=8 h.
656	Mandalay	Do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
656*a*	Tengyueh	MS. data supplied by the Chinese Maritime Customs.	..	**P**=$\frac{1}{4}$ (3+9+15+21). True mean **T**=$\frac{1}{8}\left(3+6+9+12+15+21+\frac{15+21}{2}+\frac{21+3}{2}\right)$ Max temp. refers to period 9 h. to 15 h. and min. to 15 h. to 9 h.
657	Phu Lien	MS. data supplied by l'Office National Météor., Paris.	**P, T,** 10 yrs., 1904–14. **R,** 14 yrs., 1904–18.	§**P**=mean of bi-hourly observations.
658	Moncay	Do. do.	**P ,T,** 1904–14. **R,** 1904–18.	§**P**=$\frac{1}{2}$ (10+16). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
659	Hong Kong	Hong Kong, Royal Observatory, Monthly Meteor. Bulletin, 1917.	**P,** 1884–1913. **T, R,** 1884–1918.	**P**=mean of 24 hrs.
660	Amoy	MS. data at M.O.	**P,** 15 yrs., 1894–1901; '14–22. **T,** 1890–1912. **R,** 1900–10; '15; '17–20.	§**P**=9 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*). Max. temp. refers to period 9 h. to 18 h. and min. to 18 h. to 9 h.
661	Taihoku, Formosa	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1917.	**P, T, R,** 1897–1918.	§**P**=mean of 24 hrs.
661*a*	Santo Domingo	Manila, Philippine Weather Bureau, Ann. Rep., pt. III. and Bulletin, 1917.	**P, T,** 1903–17. **R,** 16 yrs., 1903–19.	**P**=$\frac{1}{2}$ (6+14). True mean **T** derived from these hours.
662	Naha	See No. 661.	**P, T, R,** 1891–1920.	§**P**=mean of 24 hrs.
665	Titizima (Bonin Is.)	Do.	**P, T, R,** 1906–20.	§**P**, true mean **T**=$\frac{1}{6}$ (2+6+10+14+18+22).

ZONE 7.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° N. and 10° N.

715	Colima	Tacubaya, Obs. Meteor. Centr., Boletin Mensual, 1917.	..	§**P**=$\frac{1}{2}$ (7+14+21). True mean **T** derived from these hours.
716	Morelia	Do. do.	..	**P**=$\frac{1}{2}$ (7+14+21). True mean **T** derived from these hours.
717	Mexico, Tacubaya	MS. data supplied by Observatorio Central, Tacubaya.	**P,** unknown. **T, R,** 1900–22.	**P**=mean of 24 hrs.
718	Oaxaca	See No. 715.	**P, R,** 1883–1908; '10–14 (incomplete).	**P**=$\frac{1}{2}$(7+14+21). True mean **T** derived from these hours.
718*a*	Salina Cruz.	See No. 717.	..	†**P**=$\frac{1}{2}$ (7+14+21).
719	San Salvador	San Salvador, Anales del Obs. Meteor., 1917 y 1918.	**P,** 1889–1902; '11–19. **T, R,** 1889–1902; '11–14.	§**P**=$\frac{1}{2}$ (7+14+21). True mean **T**=$\frac{1}{4}$(7+14+2×21). H_b is given as 686 m. but comparison with charts shows that H_b is approximately 665 m.
720	Belize	MS. data at M.O.	**P,** 1888–1900. **T.** 1895–1905; '11–13. **R,** 1888–1917.	†§**P**, true mean **T** (Feb. to May and Year)=8 h. 75th Meridian time.
721	Jamaica (Negril Point)	Jamaica Blue Book, 1917.	**P,** (1876–1915). **T,** 1898–1919. **R,** 1895–1909.	**P**, true mean **T**=$\frac{1}{2}$ (7+15) reduced to mean of 24 hrs.
722	Port au Prince	MS. data supplied by l'Office National Météor., Paris.	**P,** (1876–1915). **T, R,** 1888–1912.	§**P**=mean of 24 hrs.
723	Caracas	MS. data supplied by Observatorio Cajigal, Caracas.	**P,** 1893–1920. **T,** 1895–1917. **R,** 1891–1917.	**P**=$\frac{1}{2}$ (10+16), which approximates to the mean of 24 hrs. True mean **T**=$\frac{1}{4}\left(6+12+18+\frac{24+0}{2}\right)$. H_b is given as 1042m., but comparison with charts shows that H_b is approximately 1010 m.
724	Montserrat	MS. data at M.O.	**P,** (1876–1915).	†§**P**=$\frac{1}{2}$ (9+15).
724*a*	Grenada (Richmond Hill)	Grenada, Govt. Gazette, 1917.	**P,** (1876–1915). **T, R,** 1887–1918.	§**P**=$\frac{1}{2}$ (9+18). True mean **T** derived from $\frac{1}{2}$ (M+*m*).

ZONE 7—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
725	Barbados	Barbados Blue Book, 1917.	**P,** (1876–1915). **T,** (1887–1918). **R,** 1871–1910.	**P**=$\frac{1}{2}$ (9+15). True mean **T** derived from these hours.
731	St. Vincent, C. Verde Is.	Lisbon, Obs. Infante D. Luis, Resumo das observações, 1917.	**P, T, R,** 33 yrs., 1884–1919.	§**P**=$\frac{1}{2}$ (9+15+21). True mean **T**=$\frac{1}{4}$ (9+21+M+*m*).
732	San Tiago, C. Verde Is.	Do. do.	**P,** 1893–1900; '04–19. **T,** 1890–1900; '04–19. **R,** 1888–1900; '04–19.	§ Do. do.
733	Bathurst	Gambia, Govt. Gazette and Blue Book, 1917.	**P,** (1891–1918). **T,** (1875–1919). **R,** 1884–1918.	**P**=9 h. True mean **T** derived from this hour.
734	M'Carthy Island	Do. do.	**T,** 7–10 yrs., 1908–18. **R,** 1908–17.	..
735	Ségou	..	..	..
736	Timbuctoo	MS. data supplied by l'Office National Météor., Paris.	**T,** 12 yrs., 1896–1914.	True mean **T** derived from $\frac{1}{2}$ (M+*m*).
737	Sokoto	MS. data at M.O.	**T,** 12 yrs., 1907–19. **R,** 1904–18.	True mean **T** (Jan., Feb., Dec. and Year)=9 h., no correction available, (Mar.–Nov.) derived from $\frac{1}{2}$ (M+*m*).
738	Kaduna Capital	Do.	**P,** (1891–1920). **T,** (1907–19). **R,** (1904–18).	§**P**=9 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
739	Katagum	Do.	**T,** 10 yrs., 1907–19. **R,** 1904–18.	True mean **T** derived from $\frac{1}{2}$ (M+*m*).
740	Maiduguri	Do.	**T,** 13 yrs., 1906–19. **R,** 1904–18.	Do. do.
741	El Fasher	Cairo, Phys. Dept., Meteor. Rep., 1917.	..	..
743	El Obeid	Do. do.	**P, T,** 1901–20. **R,** 1902–20.	§**P**=$\frac{1}{2}$ (8+14+20). True mean **T**=$\frac{1}{4}$ (8+14+20+*m*).††
743*a*	Khartoum	Do. do.	**P, T,** 1900–20. **R,** 1899–1920.	§**P**=$\frac{1}{2}$ (8+14+20). True mean **T** derived from $\frac{1}{2}$ (8+14+20+*m*).
744	Port Sudan	Do. do.	**P, T,** 1905–20. **R,** 1906–20.	§**P**=$\frac{1}{2}$(8+14+20). True mean **T**=$\frac{1}{4}$ (8+14+20+*m*).††
745	Berbera, Somaliland	MS. data at M.O.	**P,** 1908–22. **T,** 1908–20. **R,** 1906–20.	§**P**=$\frac{1}{2}$ (7+19) which approximates to the mean of 24 hrs. True mean **T**=$\frac{1}{4}$ (7+19+M+*m*).
746	Aden	Calcutta, India Weather Review, 1917.	See current data.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
751	Bombay	Do. do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (10+16).
751*a*	Cochin	Do. do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
752	Kodaikanal	Do. do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (10+16).
752*a*	Bangalore	Do. do.	Do.	‡ Do. do.
753	Madras	Do. do.	Do.	‡ Do. do.
754	Waltair	Do. do.	Do.	‡**P**=8 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
755	Port Blair	Do. do.	Do.	‡ Do. do.
756	Rangoon	Do. do.	Do.	‡ Do. do.
757	Saigon	MS. data supplied by l'Office National Météor., Paris.	**P,** 1904–15. **T,** 24 yrs., 1873–80; '96–1915. **R,** 27 yrs., 1874–79; '96–1918.	†§**P**=$\frac{1}{2}$ (10+16).
758	Nhatrang	Do. do.	**P, T,** 1903–14. **R,** 1903–18.	†§ Do.
759	Bolinao	Manila, Weather Bureau, Ann. Rep., Part III, and Bulletin, 1917.	**P, T,** 11 yrs., 1902–16. **R,** 25 yrs., 1886–97; 1902–17.	**P**=$\frac{1}{2}$ (6+14). True mean **T** derived from these hours..
761	Vigan	Manila, Weather Bureau, Ann. Rep., Part III, 1917.	**P, T,** 15 yrs., 1902–18. **R,** 22 yrs., 1887–96; 1902–17.	**P**, true mean **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
761*a*	Manila	Manila, Weather Bureau, Ann. Rep., Part II, 1917.	**P, T,** 1885–1917. **R,** 1865–1917.	**P**=mean of 24 hrs.
762	Ormoc	See No. 761.	**P, T,** 1902–05: '07–17. **R,** 1902–18.	**P**, true mean **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
765	Guam, Ladrone Is.	See No. 759.	**P,** 1907–18. **T,** 1906–18. **R,** 1906–20.	**P**=$\frac{1}{2}$ (6+14). True mean **T** derived from these hours.

Table showing the Authorities for the Meteorology of the Globe between Latitude 10° N. and 0°.

ZONE 8.

805	Fanning Island	MS. data at M.O.	**T,** 12 yrs., 1904–18. **R,** 1903–18.	True mean **T** derived from $\frac{1}{4}$ (9+15+21).
821	Colon	Balboa Heights, Panama Canal, Section of Meteor. and Hydrogr., Monthly Meteor. Rep., 1917.	**P, T,** 19 yrs., 1881–88: 1907–19. **R,** 1871–1918.	†**P**, reduced to mean of 24 hrs.
822	Bogota	MS. data supplied by the Bogota Observatory.	**R,** 1894–1915.	..
822*a*	Merida	MS. data supplied by Observatorio Cajigal, Caracas.	..	**P**=$\frac{1}{2}$ (10+16). The pressure appears too high by about 6 mb.
824	El Peru, Guayanavieja.	MS. data at M.O.	**P,** 10–12 yrs. **T,** 9–10 yrs. **R,** 11–12 yrs., 1910–22.	†§**P**=7$\frac{1}{2}$ h. approx.
825	Georgetown, Brit. Guiana	British Guiana Blue Book, 1917.	**P,** 1894–1921. **T,** 1894–1916. **R,** 1846–56; '64–1917.	**P**=$\frac{1}{2}$ (7+13+18). True mean **T** derived from these hours.
826	Paramaribo	MS. data supplied by K. Ned. Meteor. Inst.	**T,** 34 yrs., 1864–1915. **R,** 1871–1910.	‡True mean **T** derived from $\frac{1}{2}$ (8+14+18). From May to Dec. the min. appears about 3*a* too low. The normal refers to the True mean **T**.
826*a*	Cayenne	MS. data supplied by l'Office National Météor., Paris.	**T,** 1890–1912. **R,** 1859–99; 1903–12.	True mean **T** derived from $\frac{1}{2}$ (M+*m*).
833	Conakry	Do. do.	**P,** (1891–1915). **T,** 9 yrs., 1905–14. **R,** 1904–14.	†§**P**=$\frac{1}{2}$ (7+14+21).
834	Freetown, Sierra Leone	MS. data at M.O.	**P,** 1891–1919. **T,** 1875–1919. **R.** 1847–51; '75–1919.	§**P**=$\frac{1}{2}$ (9+17). True mean **T**=$\frac{1}{4}$ (17 h.+M+2 *m*).
835	Cape Coast Castle	MS. data supplied by the Medical and Sanitary Services, Accra.	**R,** 1896–1912.	..
836	Accra	Do. do.	**T,** 1888–1910. **R,** 1888–1913.	†
837	Lagos	Nigeria Blue Book, 1917.	**P,** 1891–1915. **T,** 1886–1900; '06–15. **R,** 1886–1919.	†§**P**=9 h. March **P** interpolated by comparison with Sierra Leone.
838	Zungeru	MS. data at M.O.	**T,** 1905–19. **R,** 1903–19.	True mean **T** derived from $\frac{1}{2}$ (M+*m*).
838*a*	Libreville	MS. data supplied by l'Office National Météor., Paris.	**T,** 1901–12. **R,** 18 yrs., 1896–1914.	†
839	Yola	MS. data at M.O.	**T,** 15 yrs., 1904–19. **R,** 1904–18.	True mean **T** derived from $\frac{1}{2}$ (M+*m*).

ZONE 8—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
841	Wau	Cairo, Physical Dept., Meteor. Rep., 1917.	**P, T,** 1902–20. **R,** 1904–20.	§**P**=$\frac{1}{3}$ (8+14+20). True mean **T**=$\frac{1}{4}$ (8+14+20+*m*).††
843	Mongalla	Do. do.	**P, T, R,** 1903–20.	§ Do. do.
843*a*	Malakal (Kodok)	Do. do.	**P,** 10½ yrs. **R,** 10 yrs.	§ Do. do.
844	Entebbe	MS. data at M.O.	**P,** 20 yrs., 1902–22. **T,** 1901–18. **R,** 24 yrs., 1896–1920.	**P**=$\frac{1}{3}$ (7+14+21). True mean **T** derived from $\frac{1}{4}$ (7+14+2×21).
845	Harrar	See No. 841.	**T,** 1909–18. **R,** 1902–04; '08–18.	..
851	Minicoy	Calcutta, India Weather Review, 1917.	See current data.	§**P**=8 h.
852	Colombo Observatory	Ceylon, Govt. Gazette, Suppl., 1917.	**P, T,** 1852–1916. **R,** 63 yrs., 1852–1917.	§**P**=$\frac{1}{2}$ (9½+15½). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
853	Nuwara Eliya	Do. do.	**T,** 1875–1916. **R,** 1869–1916.	True mean **T** derived from $\frac{1}{2}$ (M+*m*).
854	Trincomalee	Do. do.	**P,** 1871–1916. **T,** 1872–1916. **R,** 1870–1916.	§**P**=$\frac{1}{2}$ (9½+15½). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
855	Kota Radja	Batavia, Obs. at II stations in Netherlands East India, vol. vii., and Regenw. in do., 1917.	**P,** (1866–1911). **R,** 1879–1915.	**P,** reduced to mean of 24 hrs.
856	Medan	Do. do.	Do. do.	Do.
857	Penang	MS. data supplied by the Medical Officer, Singapore.	**P,** 1882–1916. **T,** 1882–1920. **R,** 1883–1916.	†‡§**P**=$\frac{1}{3}$ (9+15+21).
858	Singapore	Do. do.	**P,** 1898–1916. **T,** 1898–1920. **R,** 1869–1920.	†§**P**=$\frac{1}{3}$ (9+15+21).
859	Sandakan	British North Borneo Herald, 1917.	**T, R,** 1879–95; 1905–20.	†
860	Iwahig	Manila, Weather Bureau, Ann. Rep., Part III, and Bulletin, 1917.	**P,** (1903–05; '08; '11–18).	**P**=$\frac{1}{2}$ (6+14). True mean **T** derived from these hours.
861	Tagbilaran	Manila, Weather Bureau, Ann. Rep., Part III, 1917.	**P,** 15 yrs., 1902–18. **T, R,** 15 yrs., 1903–18.	**P,** true mean **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
861*a*	Menado	Batavia, Obs. at II stations in Netherlands East India, vol. vii. and Regenw. in do., 1917.	**P,** 1905–07; '09–16. **R,** 1879–1915.	**P,** reduced to mean of 24 hrs.
862	Surigao	See No. 861.	**P,** 15 yrs., 1902–18. **T,** 14 yrs., 1902–18. **R,** 1902–17.	**P,** true mean **T**=$\frac{1}{6}$ (2+6+10+14+18+22).
863	Yap	See No. 860.	**P,** 1907–08; '10–20. **T,** 1906–08; '10–20. **R,** 15 yrs., 1905–20.	**P**=$\frac{1}{2}$ (6+14). True mean **T** derived from these hours.

Table showing the Authorities for the Meteorology of the Globe between Latitude 0° and 10° S.

ZONE 9.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
905	Malden Island	MS. data at M.O.	**P, T,** 24 yrs., 1890–1918. **R,** 28 yrs., 1890–1918.	§**P**=9 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
924	Manaos	Rio de Janeiro, Directoria de Meteorologia, Boletim Meteorologico, 1917.	**T,** 1911–19. **R,** 1901–19.	‡‡True mean **T**=$\frac{1}{4}$ (7+21+M+*m*).
926	Taperinha	Do. do.	..	..
927	Turyassu	Do. do.	**P, T, R,** 1912–19.	§**P**=$\frac{1}{3}$ (7+14+21). True mean **T**=$\frac{1}{4}$ (7+14+2×21).
928	Barra do Corda	Do. do.	Do.	§ Do. do.
929	Quixeramobim	Do. do.	**P, T, R,** 1896–1919.	§ Do. do.
930	Fernando Noronha	Do. do.	**P, R,** 1911–19.	§**P**=$\frac{1}{3}$ (7+14+21). True mean **T** derived from these hours.
939	Loanda	Loanda, Resumo das observações meteor., Boletim Oficial, 1917.	**P, T,** 1879–97; 1900–09. **R,** 1879–97; 1900–13.	§**P**=$\frac{1}{2}$ (7+14+21). True mean **T**=$\frac{1}{4}$ (7+14+2×21).
940	Brazzaville	MS. data supplied by l'Office National Météor., Paris.	**P, T,** 10 yrs., 1898; 1906–15. **R,** 1898; 1906–10; '12–15.	**P**=mean of 24 hrs.
943	Masaka	MS. data at M.O.	**T,** 14 yrs., 1903–22. **R,** 1902–20.	†§**P**=$\frac{1}{2}$ (8+16).
944	Nairobi	Nairobi, Dept. Agric., Meteor. Records, 1914–19.	**T,** 1904–20. **R,** 1904–16.	True mean **T**=$\frac{1}{4}$ (7+14+2×21).
944*a*	Zanzibar	Calcutta, India Weather Review, 1917.	See current data.	†øTrue mean **T** (Dec. and year)=9 h.
945	Lamu	See No. 944.	**T,** 1911–20. **R,** 20 yrs., 1894–99; 1906–20.	‡**P**=8 h. True mean **T** derived from this hour.
947	Seychelles, Port Office	Meteor. obs. taken at Seychelles, 1917. **P** and true mean **T** from Calcutta, India Weather Review, 1917.	**P,** 1887–99; 1905–16. **T,** 1897–1916. **R,** 1891–1916.	†ø **P,** true mean **T**=$\frac{1}{2}$ (10+16) reduced to mean of 24 hrs.
957	Padang	Batavia, Obs. at II Stations in Netherlands East India, vol. vii., and Regenw. in do., 1917.	**P,** (1866–1911). **R,** 1879–1915.	**P,** reduced to mean of 24 hrs.
958	Batavia	Batavia, Obs. R. Magn. and Meteor. Obs., 1917 and Regenw. in Netherlands East India, 1917.	**P, T, R,** 1866–1915.	§**P**=mean of 24 hrs.
958*a*	Pontianak	See No. 957.	**P,** (1866–1915). **R,** 1879–1915.	**P,** reduced to mean of 24 hrs.
959	Passerocan	Do.	**P,** (1866–1911). **T,** 1901–17. **R,** 1879–1915.	Do.
960	Kajoemas	Do.	**R,** 1888–1915.	..
962	Ambon	Do.	**P,** (1866–1911). **T,** 1850–81. **R,** 1879–1915.	**P,** reduced to mean of 24 hrs.
963	Manokwari	Do.	**P,** (1866–1915). **R,** 1901–15.	Do.
965	Daru	Port Moresby, Papua Govt. Gazette, 1917–18.	**P,** 18 yrs., 1894–95; 1903–22. **T,** 19 yrs., 1894–95: 1903–24. **R,** 22 yrs., 1894–1919.	†**P,** true mean **T** (Jan., April, June, Sept. to Dec.)=9 h.
966	Port Moresby	Do. do.	**P,** 24 yrs., 1891–95; 1902–22. **T,** 20 yrs. **R,** 24 yrs., 1891–1916.	†**P**=9 h.
967				
968	Rendova	MS. data supplied by Central Bureau of Meteorology, Melbourne.	**P,** (1907–19). **R,** 1907–18.	**P**=9 h.
969	Tulagi, Brit. Solomon Is.	MS. data at M.O.	**P,** 1907–19. **T,** 1907–17. **R,** 1898–1917.	§**P**=9 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
970	Ocean Island	Do.	**P,** 1905–20. **T, R,** 1905–16.	§**P**=$\frac{1}{2}$ (9+21). True mean **T** derived from $\frac{1}{2}$ (M+*m*).

Table showing the Authorities for the Meteorology of the Globe between Latitude 10° S. and 20° S.

ZONE 10.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
1002	Apia, Samoa	MS. data supplied by the Meteorological Office, Wellington, N.Z.	**P,** 1890–1912. **T, R,** 1890–1907.	**P**=mean of 24 hrs.
1003	Alofi, Niue Island	Do. do.	**R,** 1905–15.	‡True mean **T** derived from $\frac{1}{2}$ (M+*m*).
1007	Makatea	MS. data supplied by l'Office National Météor., Paris.	**T,** 12 yrs., **R,** 9 yrs., 1892–1904.	†§**P**=$\frac{1}{3}$ (6+12+18).
1021	Arequipa	MS. data supplied by Professor Pickering, Harvard College.	**P,** 1892–95; 1910–16. **T,** 31 yrs., 1888–1920. **R,** 13 yrs., 1888–95; 1910–16.	**P**=$\frac{1}{2}$ (10+22). True mean **T** derived from these hours.
1022	Puerto de Arica	Santiago, Publ. Inst. Meteor. de Chile, No. 27, Anuario, 1917.	**T,** 1900–08; '11–18. **R,** 1903–18.	True mean **T** derived from $\frac{1}{4}$(7+14+2×21).
1023				
1024	Sucre, Bolivia	Sucre, Boletin Mensual del Obs. Meteor., 1917.	**R,** 1883–1904; '10–19.	**P**=$\frac{1}{3}$ (7+14+21). True mean **T**=$\frac{1}{4}$ (7+14+2×21).
1025	Corumba	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	**R,** 1912–19.	**P,** true mean **T** (Jan.-July, Year)=$\frac{1}{4}$ (7+14+21).
1026	Cuyaba	Rio de Janeiro, Directoria de Meteorologia, Boletim Meteorologico, 1917.	**P, T, R,** 1901–19.	§**P**,=$\frac{1}{3}$ (7+14+21). True mean **T**=$\frac{1}{4}$ (7+14+2×21).
1027	Bello Horizonte	Minas Geraes, Dados Meteor., 1917.	**P,** 1910–19. **T, R,** 1910–21.	§ Do. do.
1028	Caetite	See No. 1026.	**P, T, R,** 1909–19.	§ Do. do.
1029	Ondina (Bahia)	Do.	**P,** 24 yrs., 1881–1919. **T,** 1909–19. **R,** 26 yrs., 1880–1919.	§ Do. do.
1030	Aracaju	Do.	**P,** 1910–19. **T,** 1911–19. **R,** 1909–19.	§ Do. do.
1035	St. Helena	MS. data at M.O.	**P,** 1892–1921. **T,** 1892–1922. **R,** 1892–1915.	§**P**=9 h. True mean derived from $\frac{1}{4}$ (M+*m*+9 h).
1042	Gwelo	Salisbury, Rep. on Meteor., 1914–1919, and MS. data.	**P, T, R,** 1907–21.	**P**=8 h.
1043	Salisbury, Rhodesia	Do. do.	**P, T, R,** 1903–21.	**P**=9 h.
1044	Zomba	Nyasaland, Govt. Gazette, 1917.	**P,** 1899–1920. **T, R,** 1892–1920.	§**P**=$\frac{1}{2}$ (9+21). True mean **T** derived from these hours. Height corrected from mean pressure.
1045	Tananarivo	MS. data supplied by l'Office National Météor., Paris.	**P,** 1880–82; '87–1913. **T,** 20 yrs., 1890–1913. **R,** 1890–1913.	**P**=$\frac{1}{3}$ (7+13+18). True mean **T** derived from these hours.
1046	Sainte-Marie	..	..	↔
1055	Cocos Keeling Is.	MS. data supplied by Central Bureau of Meteorology, Melbourne.	**P, T,** 1905–20. **R,** 1904–20.	†**P**=$\frac{1}{2}$ (9+15).
1056				
1057	Christmas Island	Edinburgh, J. Scot. Meteor. Soc., 18, 1917.	**P, T,** 1902–15. **R,** 1902–18.	§**P**=$\frac{1}{2}$ (9+21). True mean **T**=$\frac{1}{4}$ (9+21+M+*m*).
1058				
1061	Koepang	Batavia, Obs. at II stations in Netherlands East India, vol. vii, and Regenw. in do., 1917.	**P,** (1866–1911). **R,** 1879–1915.	**P** reduced to mean of 24 hrs.
1061*a*	Derby	See No. 1055.	**P, T,** 1897–1919. **R,** 1886–1919.	**P**=$\frac{1}{2}$ (9+15).
1062	Hall's Creek	Do.	**P,** 1901–19. **T,** 1899–1919. **R,** 1891–1919.	**P**=$\frac{1}{2}$ (9+15). True mean **T** derived from $\frac{1}{2}$ (M+*m*).
1063	Port Darwin	Do.	**P, T, R,** 1882–1921. **R,** 1870–1921.	Do. do.
1064	Daly Waters	Do.	**P,** 1881–1919. **T,** 1886–1918. **R,** 1873–1919.	Do. do.
1065	Mein	Do.	**P,** 1906–19. **T,** 1907–19. **R,** 1888–1919.	†**P**=$\frac{1}{2}$ (9+15).
1066	Georgetown, Queensland	Do.	**P,** 1910–19. **T,** 1907–19. **R,** 1872–1919.	**P**=$\frac{1}{2}$ (9+15).
1067	Samarai	Port Moresby, Papua Govt. Gazette, 1917.	**P,** 13 yrs., 1904–22. **T,** 1904–15. **R,** 1891–92; '94–1915.	**P**=9 h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
1072	Suva, Fiji	MS. data at M.O.	**P,** 1886–1916. **T, R,** 1886–1918.	§ Do. do.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° S. and 30° S.

ZONE 11.

1105	Raratonga (Avarua)	MS. data supplied by Meteorological Office, Wellington, N.Z.	**T,** 1899–1914. **R,** 1899–1915.	‡True mean **T** derived from $\frac{1}{2}$ (M+*m*).
1121	Punta Tortuga, Coquimbo	Santiago, Publ. Inst. Meteor. de Chile, No. 27, Anuario, 1917.	**P,** 20 yrs., 1870–1913. **T,** 1899–1908; '10–'17. **R,** 1900–15.	§**P**=$\frac{1}{3}$ (7+14+21). True mean **T** derived from $\frac{1}{4}$ (7+14+2×21).
1122	Iquique	Do. do.	**P, T,** 17 yrs., 1886; '99–1917. **R,** 19 yrs., 1886; '99–1918.	§ Do. do.
1123	Catamarca	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1917.	**P,** 1881–88; 1916–20. **T,** 1881–88; 1904–13; '16–19. **R,** 1881–1900; '03–14; '16–19.	**P**=mean of 24 hrs.
1124	Salta	Do. do.	**P,** 1882–1907; '16–20. **T,** 1882–1913; '16–19. **R,** 1873–1913; '16–19.	Do.
1125	Goya	Do. do.	**P,** 1876–1900; '14; '16–19. **T, R,** 1877–1914; '16–19.	Do.
1126	Asuncion	MS. data supplied by Oficina Meteor. Argentina, Buenos Ayres.	**P,** unknown. **T, R,** 20 yrs.	§**P**=mean of 24 hrs. A correction of +3·7 mb. has been applied to the pressure values.
1127	Curityba	..	..	..
1128	Rio de Janeiro	Rio de Janeiro, Directorio de Meteorologia, Boletim Meteor., and Annuario, 1917.	**P,** 1856–1920. **T,** 1871–1920. **R,** 1851–1920.	§**P**=mean of 24 hrs.
1139	Windhoek	MS. data supplied by Chief Meteorologist, Pretoria.	**T,** 13 yrs., 1901–05; '11–21. **R,** 23 yrs.	True mean **T** derived from $\frac{1}{2}$ (M+*m*).
1140				
1141	Kimberley	MS. data supplied by Dr. J. R. Sutton.	**P, T,** 1897–1911. **R,** 40 yrs.	**P**=$\frac{1}{3}$ (8+14+20).
1142	Johannesburg	See No. 1139.	**P,** 9 yrs., 1904–13. **T,** 1904–19. **R,** 1888–1913.	**P**=8½ h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
1142*a*	Pretoria	Do.	**P, T, R,** 1903–17.	Do.
1143	Durban	Do.	**P,** 1884–1910. **T,** 1873–83; '85–1910; '12–21. **R,** 1873–1913.	§**P**=8½ h. True mean **T** derived from $\frac{1}{2}$ (M+*m*).
1144	Lorenzo Marques	Lourenço Marques, Relatorio do Observatorio Campos Rodrigues, 1917.	**P,** 13 yrs. **T, R,** 20 yrs.	**P**=mean of 24 hrs.
1147	Mauritius	Mauritius, Results of Meteor. obs. during 1917 at Royal Alfred Observatory.	**P, T, R,** 1861–1919.	§ Do.

ZONE 11—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
1159	Onslow	MS. data supplied by Central Bureau of Meteorology, Melbourne.	**P, T,** 1897–1919. **R,** 1886–1919.	**P**=½ (9+15).
1160	Peak Hill	Do. do.		Do.
1161	Nullagine	Do. do.	**P, T,** 1899–1918. **R,** 1898–1919.	Do.
1162	Laverton	Do. do.	**P,** 1900–19. **T,** 1899–1919. **R,** 1898–1919. **P, T,** 1901–19. **T,** 1900–19.	**P**=½ (9+15). True mean **T** derived from ½ (M+*m*).
1163	Alice Springs	Do. do.		Do. do.
1164	William Creek	Do. do.	**P,** 1883–1918. **T,** 1879–1921. **R,** 1874–1921.	Do. do.
1164*a*	Boulia	Do. do.	**P,** 1889–1919. **T,** 1889–1918. **R,** 1874–1919.	Do. do.
1165	Thargomindah	Do. do.	**P,** 1900–19. **T,** 1898–1919. **R,** 1887–1919.	Do. do.
1166	Mitchell	Do. do.	**R,** 1880–1912.	Do. do.
1167	Rockhampton	Do. do.	**T,** 1907–19. **R,** 1884–1919.	..
1168	Brisbane	Do. do.	**P,** 1889–1919. **T,** 1898–1919. **R,** 1887–1919. **P, T,** 1887–1922. **R,** 1852–1922.	†**P**=½ (9+15). **P**=mean of 24 hrs. True mean **T**=¼ (9+15+21+*m*). §**P**=7 h.
1169	Ouitchambo	MS. data supplied by l'Office National Météor., Paris.	**R,** (1860–1910).	
1170	Norfolk Island	See No. 1159.	**P, T,** 10 yrs. **R,** 31 yrs.	†**P**=9 h.

ZONE 12 — Between Latitude 30° S. and 40° S.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
1221	Juan Fernandez	Santiago, Publ. Inst. Meteor. de Chile, No. 27, Anuario, 1917.	**T,** 17 yrs. **R,** 16 yrs., 1901–18.	True mean **T** derived from ¼ (7+14+2×21).
1221*a*	Punta Tumbes	Do. do.	**P, T, R,** 1901–17.	§**P**=½ (7+14+21). True mean **T** derived from ¼ (7+14+2×21). A correction of +3·6 mb. has been applied to the pressure values.
1222	Punta Angeles, Valparaiso	Do. do.	**P, R,** 1869–1918 (incomplete). **T,** 1899–1908; '11–18.	§**P**=½ (7+14+21). True mean **T** derived from ¼ (7+14+2×21).
1222*a*	Santiago	Do. do.	**P,** 1861–1908; '10–16. **T,** 1861–1914. **R,** 1867–1915.	§ Do. do.
1223	Cordoba	Cordoba, Oficina Meteor. Nacion., Sinopsis del Tiempo, 1922–23.	**P,** 1872–1922. **T, R,** 1873–1922.	§**P**=mean of 24 hrs.
1224	Bahia Blanca	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1917.	**P,** 1875–1900; '10–14; '16–19. **T, R,** 1860–83; '96–1914; '16–19.	**P**=mean of 24 hrs.
1225	Buenos Ayres (Chacarita)	Do. do.	**P,** 1858–1914; '16–19. **T, R,** 1861–1914; '16–19.	Do.
1226	Montevideo (Prado)	Montevideo, Inst. Nacion. Fis.-Climat., Bol. Mens., 1917.	**P, T, R,** 1901–20.	§ Do.
1226*a*	Porto Alegre	Porto Alegre, Inst. Astr. e Meteor., Dados Meteor., 1917, and MS. data.	**P, T, R,** 10 yrs., 1910–22.	**P**=mean of 24 hrs.
1239	Cape Town	Symons's Meteor. Mag., London, 1917, 1918, and MS. data supplied by Royal Observatory, Cape Town.	**P,** 1841–1915. **T,** 1842–1914. **R,** 1841–1913.	**P**=½ (8½+12.46+20½). True mean **T** derived from ½ (M+*m*).
1240	Danger Point	MS. data supplied by Chief Meteorologist, Pretoria.	..	..
1241	Heidelberg	Do. do.	**R,** 28 yrs.	..
1242	East London	Do. do.	**P,** 1870–1904. **T,** 1881–1906. **R,** 26 yrs.	§**P**=8½ h.
1259	Perth (Observatory)	MS. data supplied by Central Bureau of Meteorology, Melbourne.	**P,** 1885–1921. **T,** 1897–1921. **R,** 1876–1921.	**P**=mean of 24 hrs. True mean **T** derived from ½ (M+*m*).
1260	Katanning	Do. do.	**P, T,** 1897–1919. **R,** 1892–1919.	**P**=½ (9+15).
1261	Coolgardie	Do. do.	**P, T,** 1897–1919. **R,** 1893–1919.	**P**=½ (9+15). True mean **T** derived from ½ (M+*m*).
1262	Eucla	Do. do.	**P,** 1879–1918. **T,** 1878–1919. **R,** 1876–1919.	Do. do.
1263	Streaky Bay	Do. do.	**P,** 1890–1919. **T,** 1891–1919. **R,** 1878–1919.	Do. do.
1264	Adelaide	Do. do.	**P, T,** 1857–1918. **R,** 1839–1919.	**P**=mean of 24 hrs. True mean **T** derived from ½ (M+*m*).
1265	Melbourne	Do. do.	**P,** 1858–1919. **T, R,** 1856–1919.	**P**=mean of 24 hrs.
1266	Bourke	Do. do.	**P,** 1877–1918. **T,** 1874–1918. **R,** 1873–1919.	**P**=½ (9+15).
1267	Sydney	Do. do.	**P, T, R,** 1859–1922.	**P**=mean of 24 hrs. True mean **T**=¼ (9+15+21+*m*).
1268	Lord Howe Island	Do. do.	**R,** 1899–1919.	**P**=9 h.
1271	Auckland	New Zealand Official Yearbook, 1918, and MS. data supplied by Meteorological Office, Wellington, N.Z.	**T,** 56 yrs. **R,** 67 yrs.	‡ Do.
1272	Napier	Do. do.	**P,** 1867–80; 1905–15. **T,** 29 yrs. **R,** 1867–80; 1905–17.	‡ Do.

ZONE 13. — Table showing the Authorities for the Meteorology of the Globe between Latitude 40° S. and 50° S.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
1301	Chatham Island	MS. data supplied by Meteorological Office, Wellington, N.Z.	**R,** 1879–81; '94–1914.	..
1321	Isla Huafo	Santiago, Publ. Inst. Meteor. de Chile, No. 27, Anuario, 1917.	**P, T, R,** 1908–17.	§**P**=½ (7+14+21). True mean **T** derived from ¼ (7+14+2×21).
1322	Punta Galera	Do. do.	**P,** 1899–1908: '10–18. **T, R,** 1899–1918.	§ Do. do.
1323	Sarmiento	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1917.	**T,** 1903–07; '16–19. **R,** 1904–07; '16–19.	**P**=mean of 24 hrs.
1324	Puerto Madryn	Do. do.	**T, R,** 1903–13; '16–19.	Do.
1365	Launceston	MS. data supplied by Central Bureau of Meteorology, Melbourne.	**P,** 1905–18. **T,** 1891–1918. **R,** 1886–1919.	**P**=½ (9+15). True mean **T** derived from ½ (M+*m*).
1366	Hobart	Do. do.	**P,** 1885–1919. **T,** 1871–1919. **R,** 1841–79; '82–1919.	**P**=mean of 24 hrs. True mean **T** derived from ½ (M+*m*).
1370	Invercargill	New Zealand Official Yearbook, 1918, and MS. data supplied by Meteorological Office, Wellington, N.Z.	**T,** 11 yrs. **R,** 27 yrs.	‡
1371	Dunedin	Do. do.	**P,** 1865–1915. **T,** 55 yrs. **R,** 62 yrs.	‡**P**=9 h.
1371*a*	Christchurch	Do. do.	**P,** 1865–1915. **T,** 1872–1917. **R,** 1865–1917.	‡ Do.
1372	Wellington	New Zealand Govt. Gazette, 1917–18.	**P,** 1865–1917. **T,** 56 yrs. **R,** 58 yrs.	**P**=9 h.

For explanation of symbols *see* page 115.

Between Latitude 50° S. and 60° S. — ZONE 14.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
1421	Islota de los Evangelistas	Santiago, Publ. Inst. Meteor. de Chile, No. 27, Anuario, 1917.	**P,** 1899–1908; '10–18. **T, R,** 1899–1918.	§**P**=½ (7+14+21). True mean **T** derived from ¼ (7+14+2×21).
1422	Puerto de Punta Arenas	Do. do.	**P,** (1889–1918). **T, R,** (1888–1918).	§ Do. do.
1423	Punta Dungeness	Do. do.	**P,** 1900–08; '10–18. **T,** 1900–18. **R,** 1903–18.	§ Do. do.
1424	Santa Cruz	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1917.	**P,** 1903–07; '16–19. **T, R,** 1905–13; '16–19.	**P**=mean of 24 hrs.
1424*a*	Año Nuevo	MS. data supplied by Ministerio de Marina, Buenos Ayres.	**P,** (1889–1918). **T,** (1888–1918).	§ Do.
1425	Stanley, Falkland Is.	MS. data supplied by the Governor, Falkland Islands.	**R,** 1875–77; '81–83; '91; 1904–14.	..
1426	Cape Pembroke	MS. data at M.O.	**P,** 1895–1915. **T,** 10 yrs., 1905–15.	§**P,** true mean **T**=¼ (4+8+12+16+20+24). No rain-gauge.
1429	S. Georgia (Cumberland Bay)	Do.	**P, R,** 1906–18. **T,** 1905–18.	§**P**=½ (8+14+20). True mean **T** derived from these hours.

Between Latitude 60° S. and 70° S. — ZONE 15.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
1527	South Orkneys	MS. data supplied by Oficina Meteor. Nacion., Buenos Ayres.	**P, T,** 1903–14. **R,** 1904; '06, '08–14.	§**P**=mean of 24 hrs.

EXPLANATION OF SYMBOLS.

* At Cairo, means obtained by this formula are 0·7*a* too low.

† True mean **T** derived from table on page 116.

‡ Maximum thermometer read at hour of morning observation and entered to day of reading.

§ M.S.L. reduction applied in M.O.

ø Maximum and minimum temperatures from whole degrees Fahrenheit.

†† At Khartoum, means obtained by this formula are 1·0*a* too low.

‡‡ At Quixeramobim, means obtained by this formula are 0·6*a* too low.

The statement that True mean **T** is derived from a certain combination means that a correction has been applied to the values given by this combination to obtain the approximate True mean temperature.

Daily Observations of Wind within the Tropics.—The information is extracted from MS. data at M.O.

41/14.B

REDUCTION TO TRUE MEAN TEMPERATURE.

The following references give the more important authorities for the corrections which have been applied to reduce the temperatures, either means of observations at fixed hours or means of maxima and minima, to true mean.

General.—Brooks, C.E.P. True mean temperature. Washington, Monthly Weather Rev., 49, 1921, p. 226.

Greenland, Iceland.—Copenhagen, Institut Météor., Moyennes et extrêmes météor. . . . des Iles Féroë, de l'Islande et du Groënland. Copenhagen, 1899.

Norway.—Kristiania, Jahrb. d. Norweg. Meteor. Instituts.

Denmark.—Jantzen, Willaume, Meteorologiske Observationer i Kjöbenhavn. Copenhagen, 1896.

Sweden.—Ekholm, N., Calcul de la température moyenne mensuelle de l'air aux stations météor. suédoises. Uppsala, 1916.

Russia.—Wild, H., Die Temperatur-Verhältnisse des Russischen Reiches. 3 vols. St. Petersburg, 1881.

Canada.—Prepared in M.O.

U.S.A.—Washington, U.S. Dept. Agric., Weather Bureau, Bulletin S. By F. H. Bigelow, 1909.

Portugal (Lisbon).—J. d'Almeida Lima. O Clima de Portugal Continental. Lisbon, 1922.

Italy.—Eredia, F., Il clima di Roma. Rome, 1911.

Greece (Athens).—Athens, Observatoire National, Annales.

Africa.—Brooks, C. E. P. The Reduction of Temperature Observations to Mean of 24 Hours, and the Elucidation of the Diurnal Variation in the Continent of Africa. London, Q.J.R. Meteor. Soc., 43, 1917, p. 375.

Egypt and Sudan.—Supplied by Physical Department, Cairo.

India.—Calcutta, Meteorological Office, Indian Meteorological Memoirs, vol. xvii. Calcutta, 1904.

Tropics.—Hann, J. von, Die tägliche Gang der Temperatur in der inneren Tropenzone ; Die tägliche Gang der Temperatur in der äusseren Tropenzone. 3 vols. Vienna, 1905, 1906, 1907.

South America.—Supplied by Mr. R. C. Mossman.

South Georgia.—Internationale Polarforschung, 1882–3. Die Beobachtungs-Ergebnisse der Deutschen Stationen ; Süd-Georgien. Berlin, 1886.

The following table gives approximate corrections for the limits 30° N. to 30° S. to reduce $\frac{1}{2}$ (M+m) to true mean **T**, taking into consideration the height and the daily range (M−m). It can be applied in cases where no other correction is available, and has been so used in the tables in this issue.

Daily Range	Height in Metres.							
	0.	500.	1000.	1500.	2000.	2500.	3000.	3500.
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
4	− ·35	− ·42	−·49	−·56	−·63	−·70	− ·77	− ·84
6	− ·42	− ·50	−·58	−·66	−·74	−·82	− ·90	− ·98
8	− ·52	− ·59	−·65	−·72	−·78	−·85	− ·91	− ·98
10	− ·64	− ·67	−·70	−·73	−·76	−·79	− ·82	− ·85
12	− ·79	− ·76	−·73	−·70	−·67	−·64	− ·61	− ·58
14	− ·97	− ·85	−·73	−·61	−·49	−·37	− ·25	− ·13

Printed by H.M.S.O. Press, Harrow.